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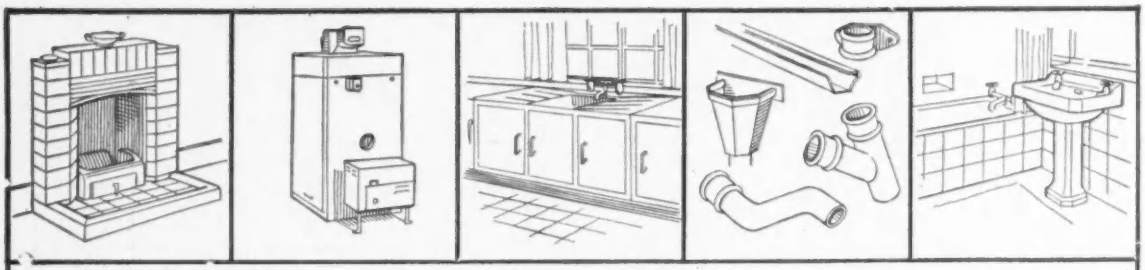

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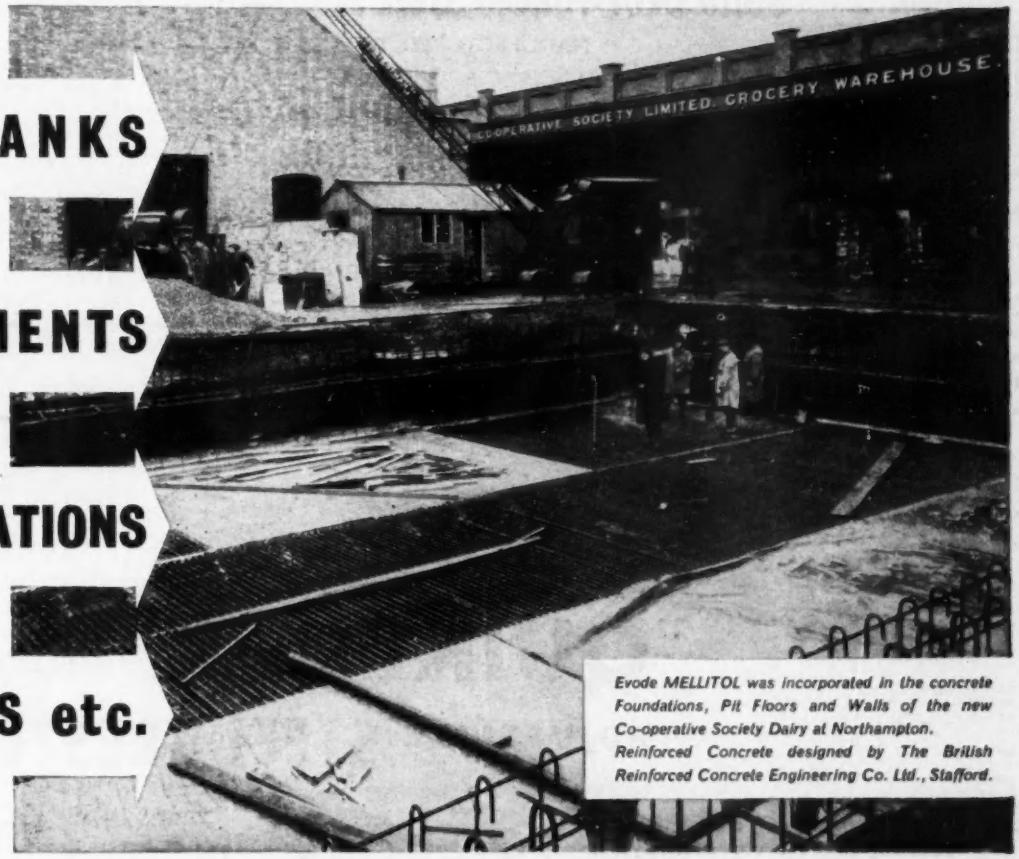

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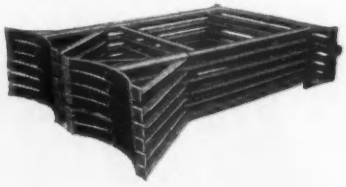
Size	Height from floor to board level in 3 in. adjustment	Approx. wt. each in lbs.
1	1 ft. 9 in. Rising to 2 ft. 9 in.	41
2	2 ft. 9 in. ,, ,, 4 ft. 6 in.	54
3	4 ft. 6 in. ,, ,, 6 ft. 3 in.	70
4	6 ft. 3 in. ,, ,, 8 ft. 0 in.	100



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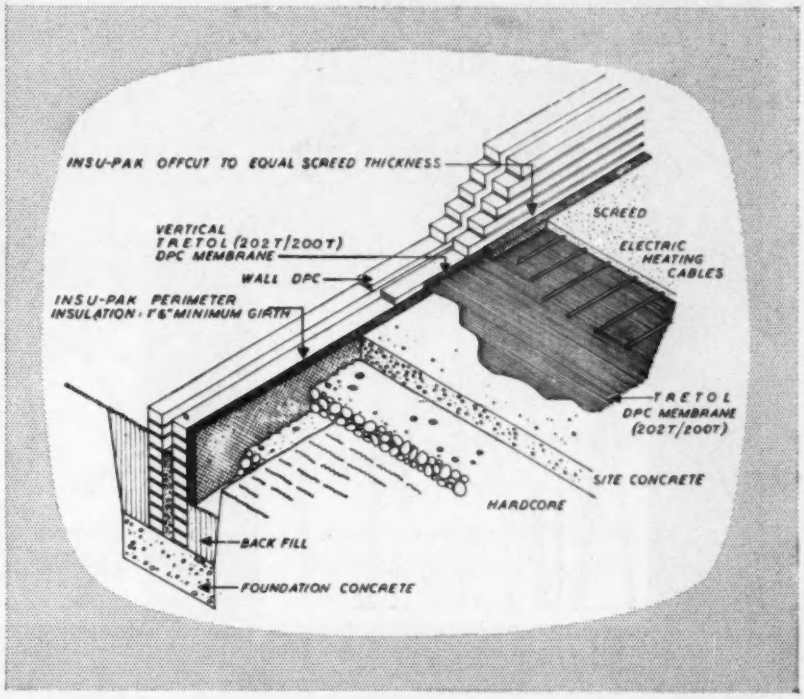
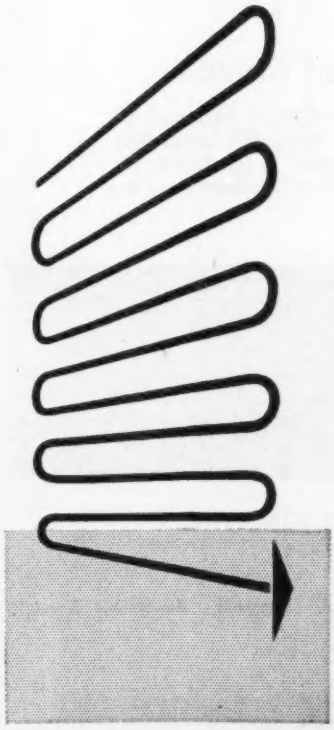
TRETOL Bitumen Membranes in Under Floor Heating



The incorporation of continuous Bitumen Membranes in solid ground floor construction is essential to prevent the damaging effects of rising moisture vapour to floor coverings. The choice of the **correct** *membrane is especially necessary when used with under floor heating systems where corrosion must be eliminated.*

Tretol Cold-Applied Bitumen Membranes are manufactured from pure bitumen in solution form. They are entirely satisfactory for use with **any** *type of heating element and will* **not** *stimulate corrosion.*

Send for Specification Sheet B/5.



* The diagram illustrates a typical use of standard Tretol Cold-Applied Bitumen Membrane combined with "INSU-PAK Perimeter Insulation". INSU-PAK is a product of Tretol-Servicised Ltd. and is designed to insulate ground floor slab and screed from vertical concrete and brickwork.

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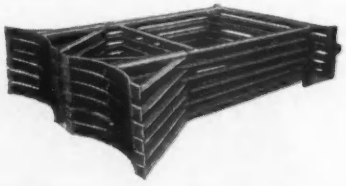

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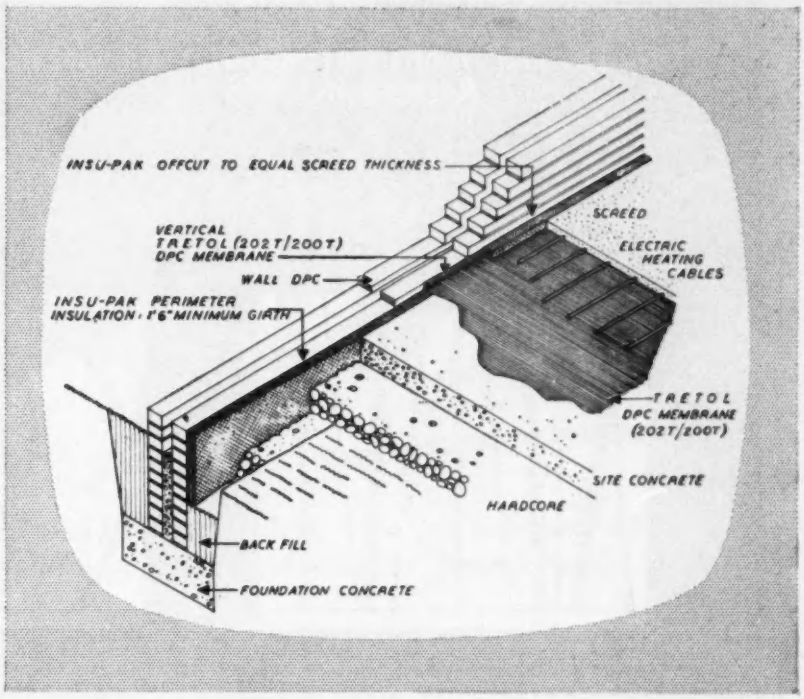

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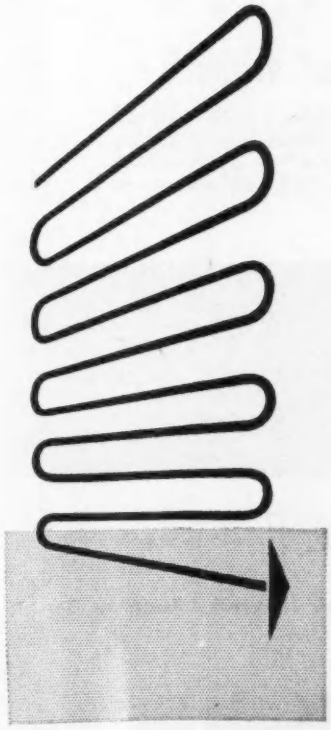

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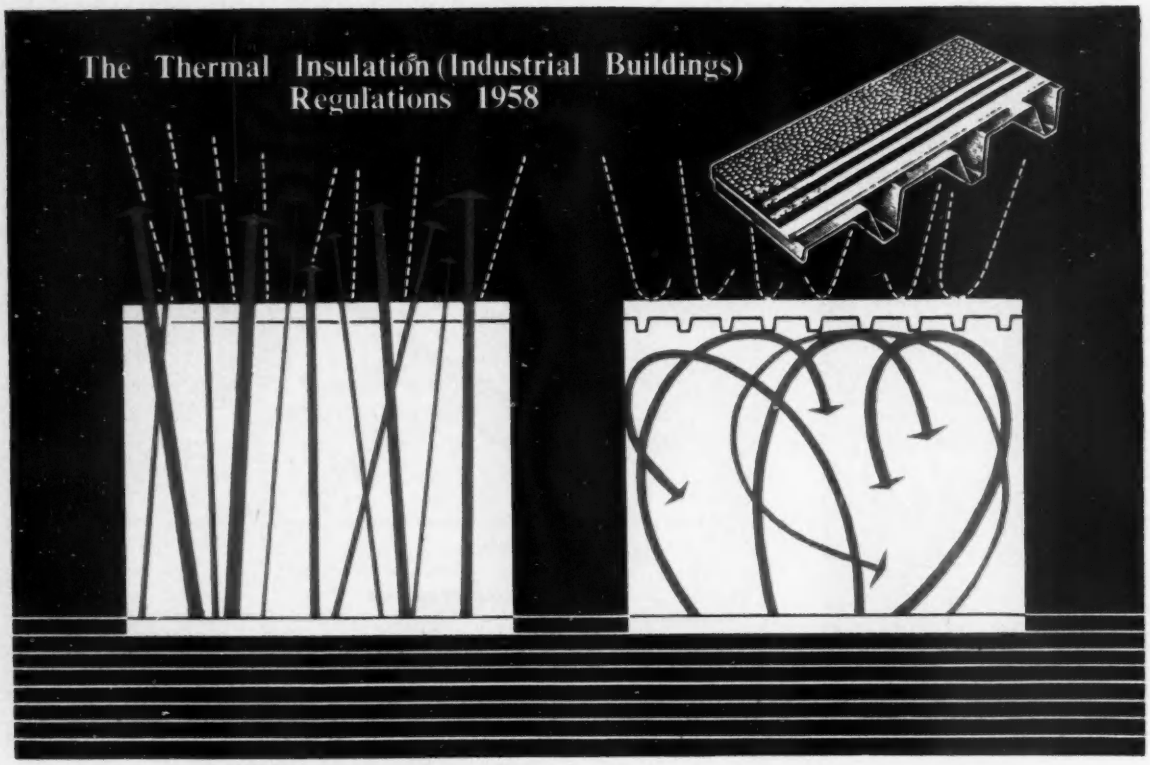

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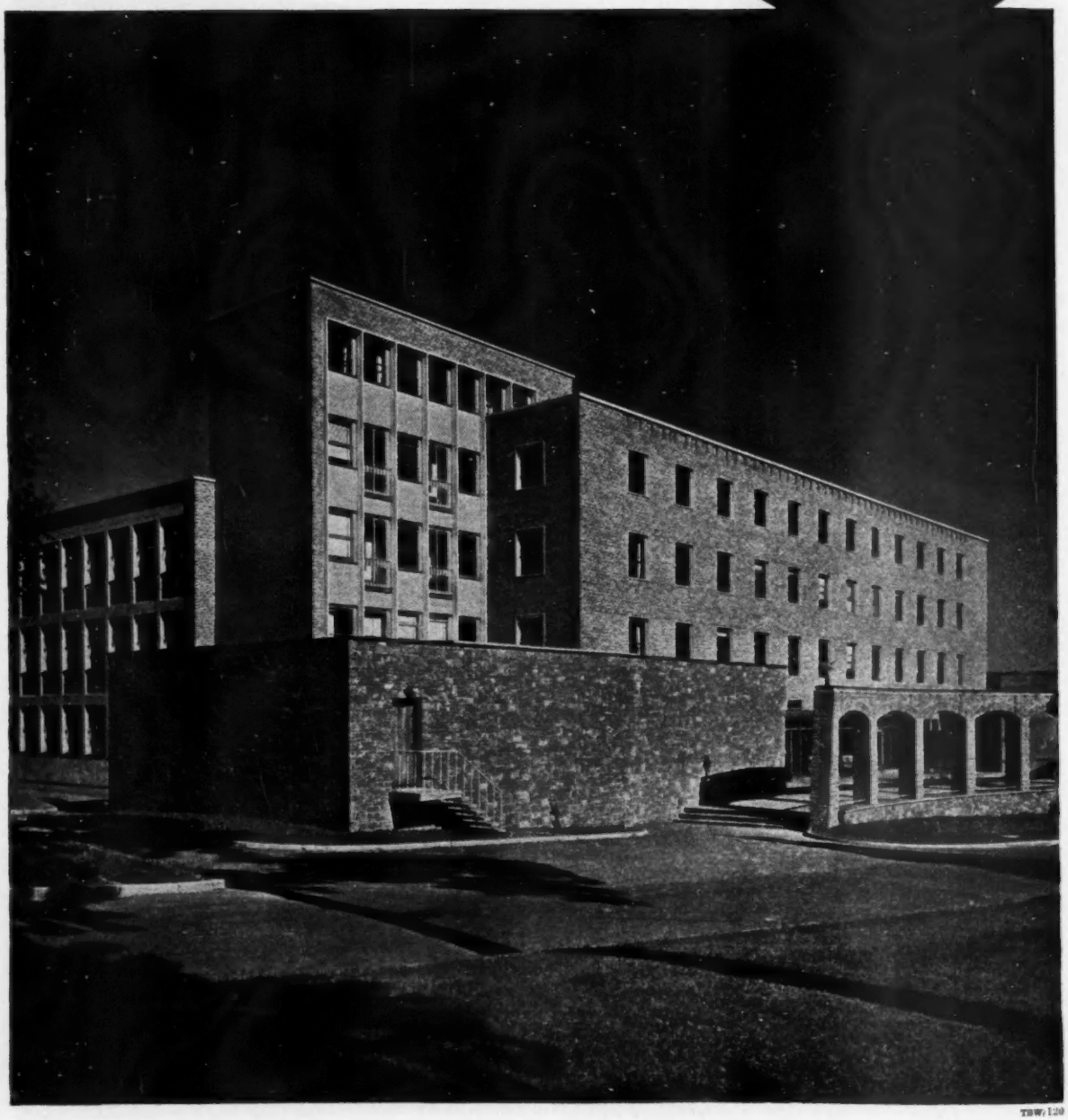

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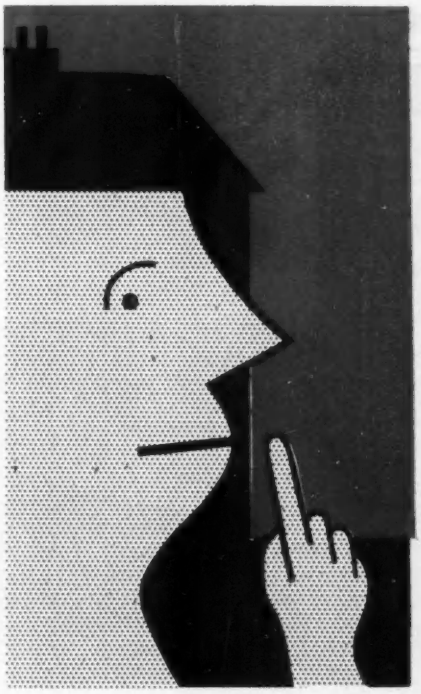

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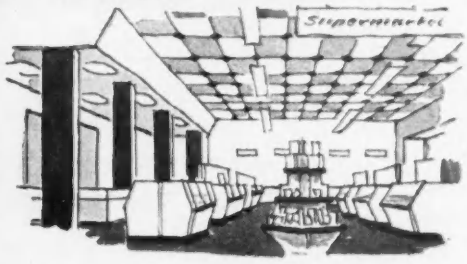

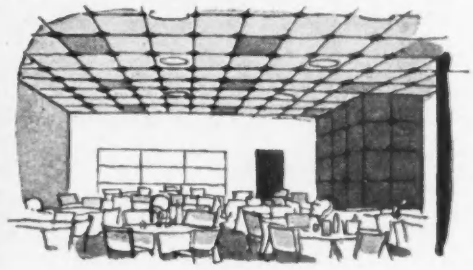

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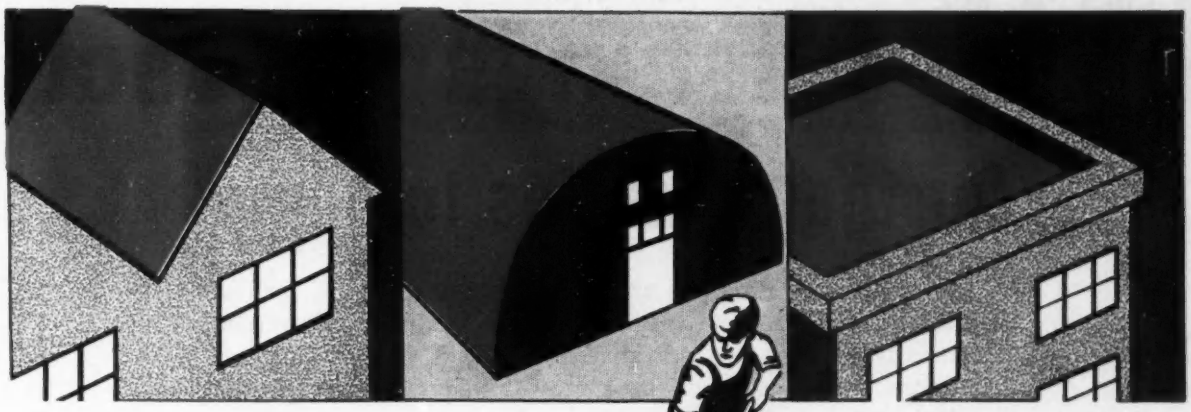

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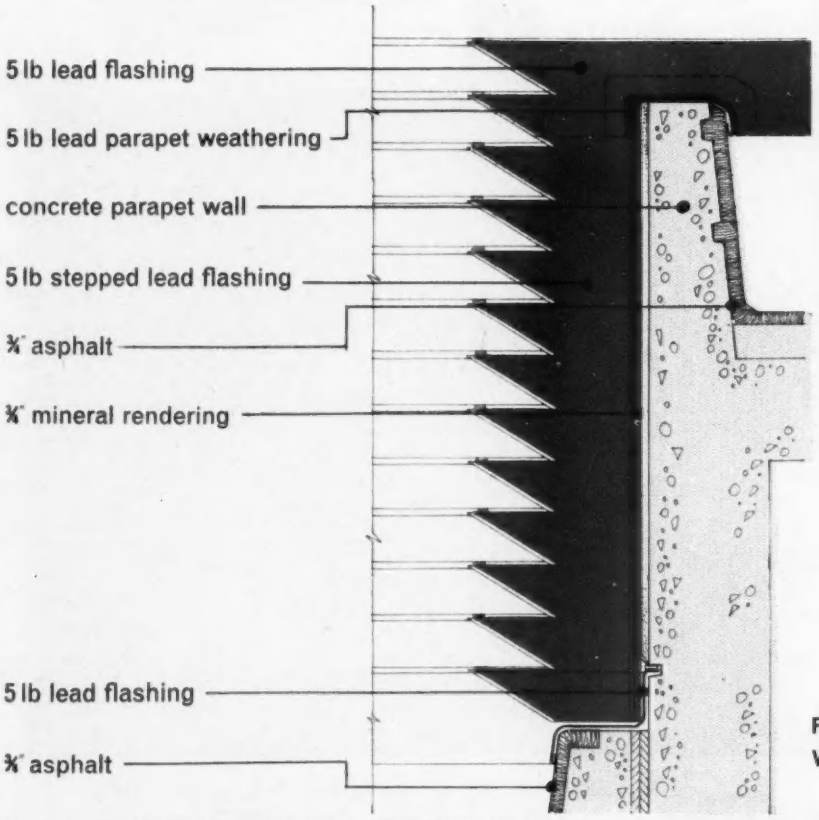

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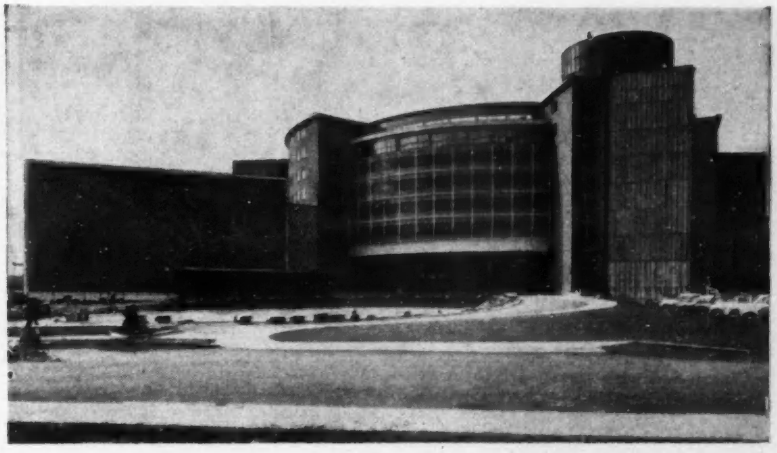
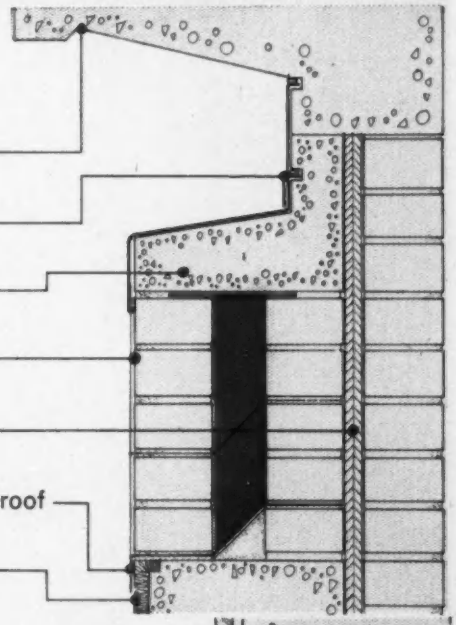
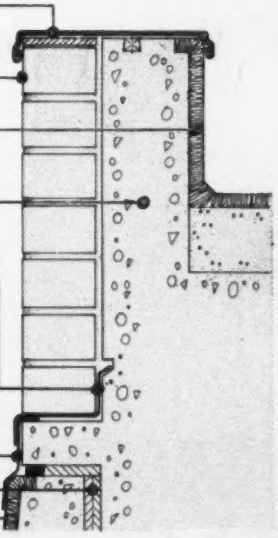


STEPPED D.P.C. AT ROOF ABUTMENT



FLASHINGS TO PARAPET WALL



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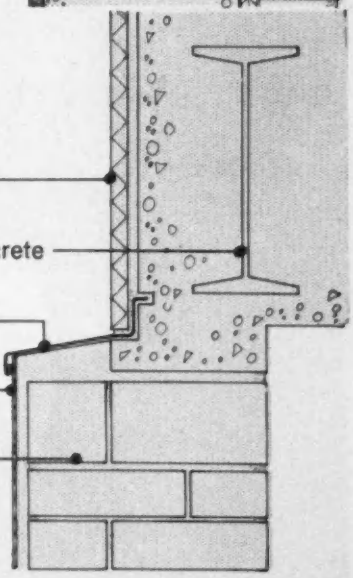

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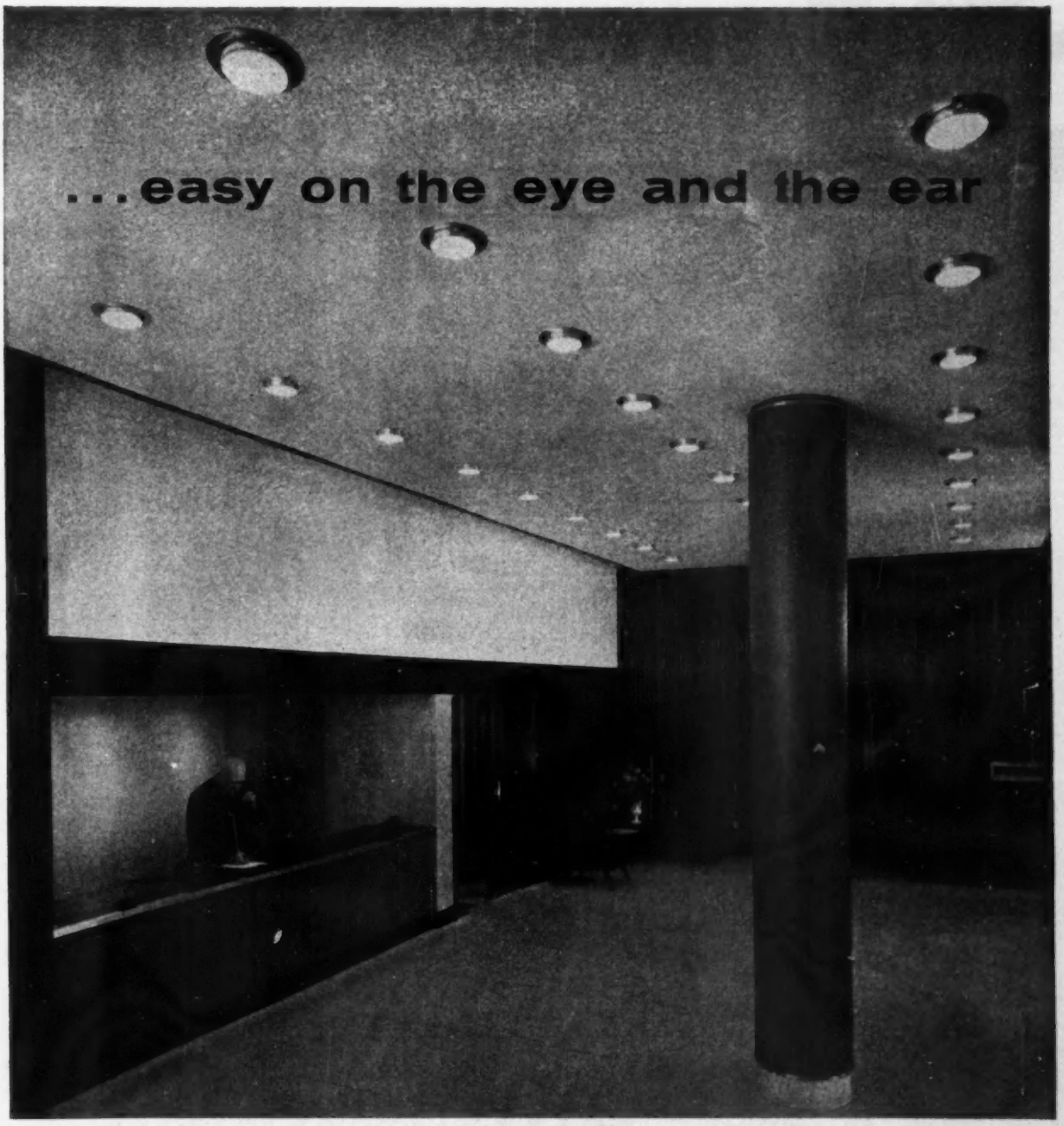

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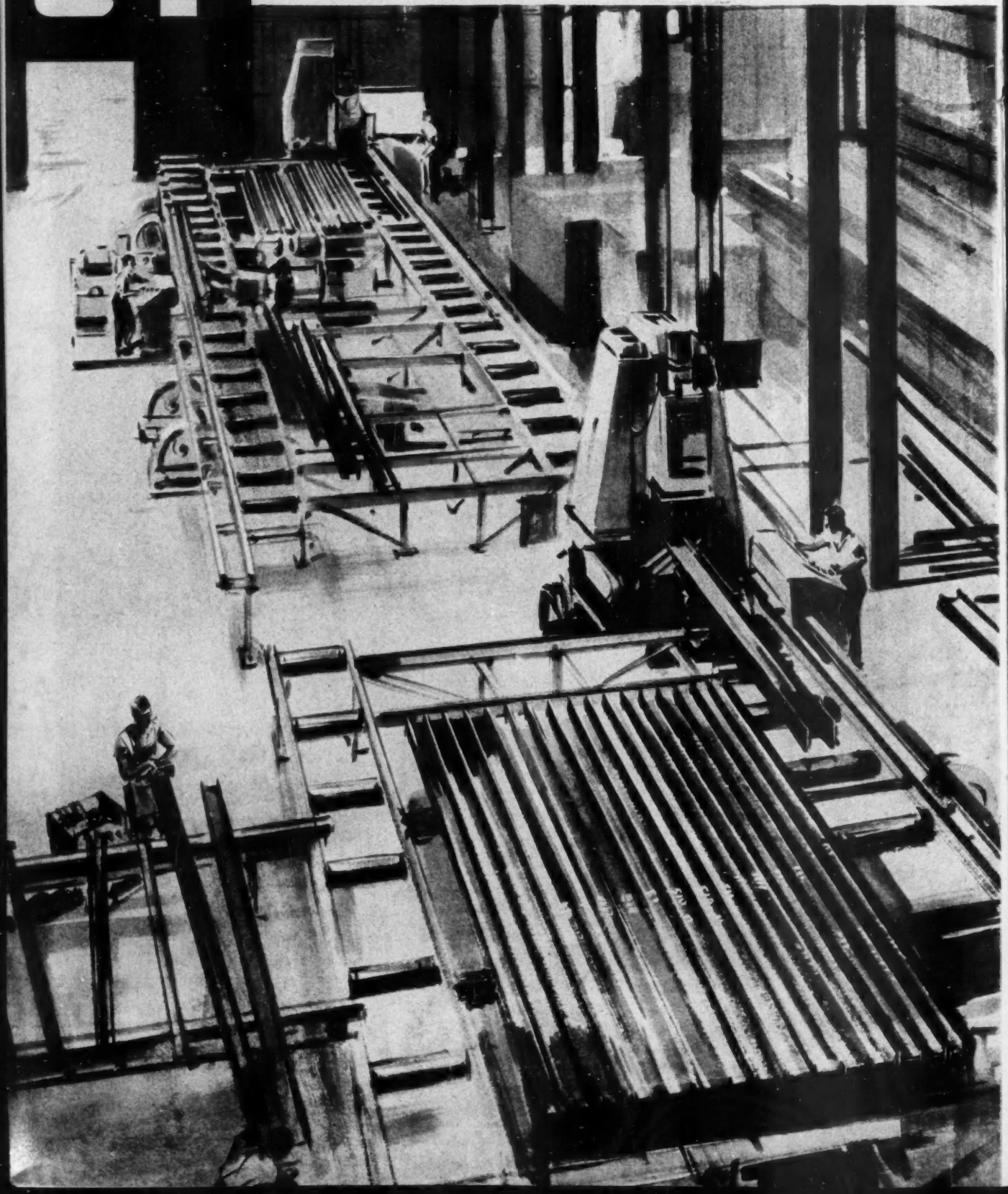

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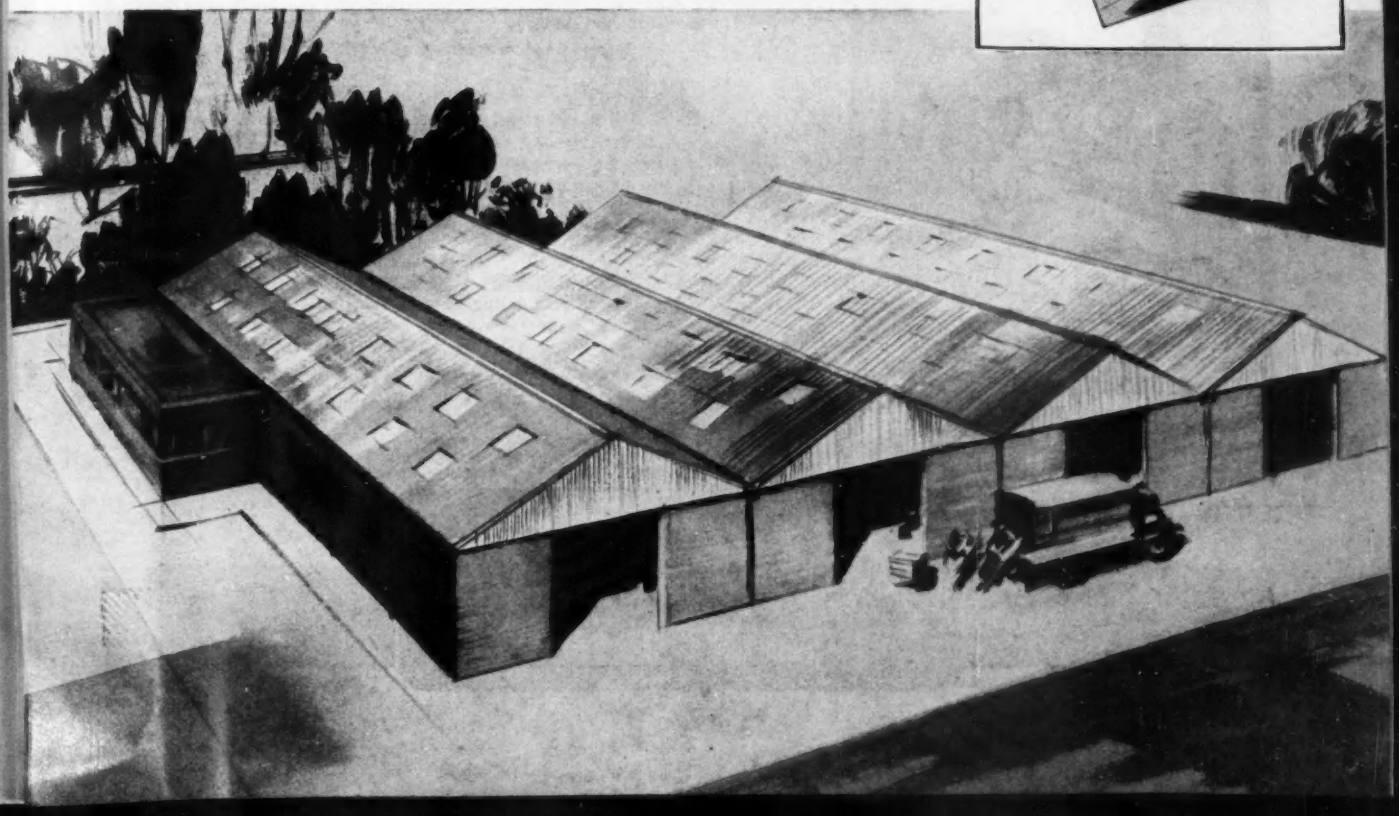

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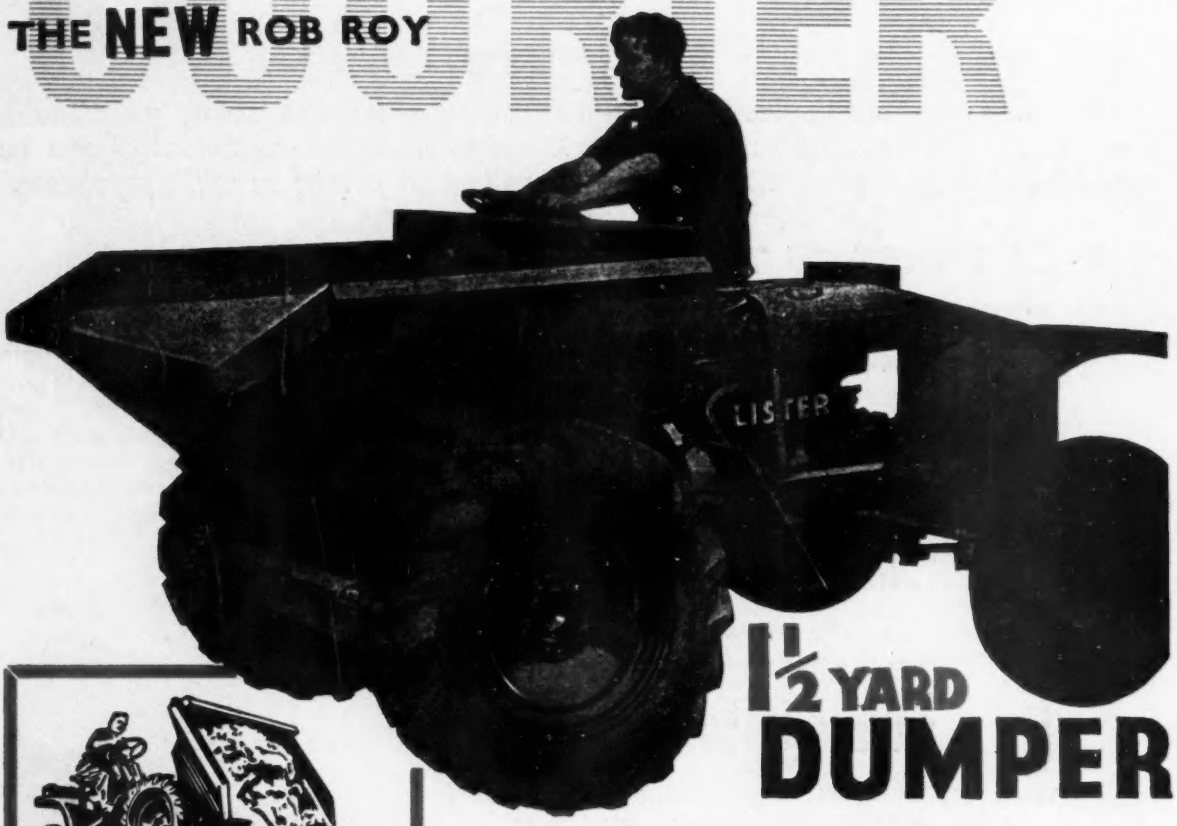

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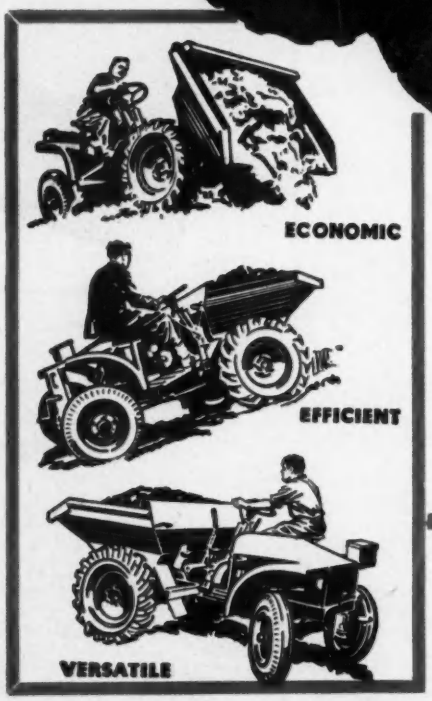

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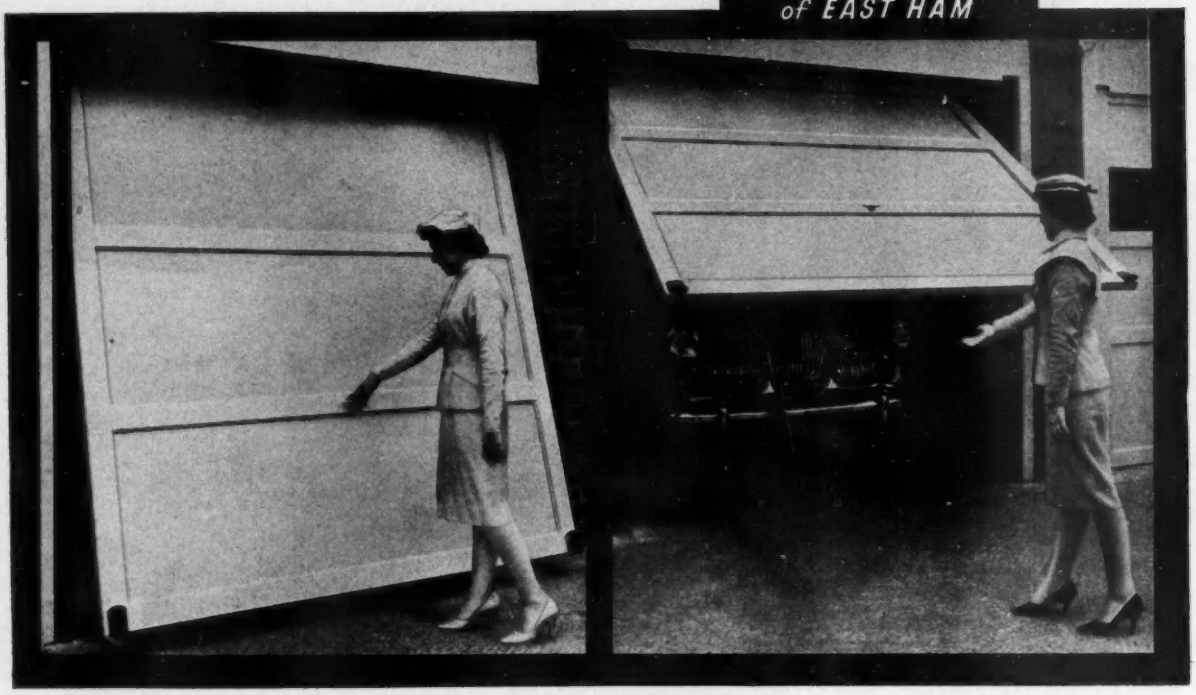

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HENDERSON 'ULTRA' OVERHEAD DOOR GEAR	£10 · 18 · 9
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ESPAGNOLETTE BOLT AND LOCK . .	35/- per door extra

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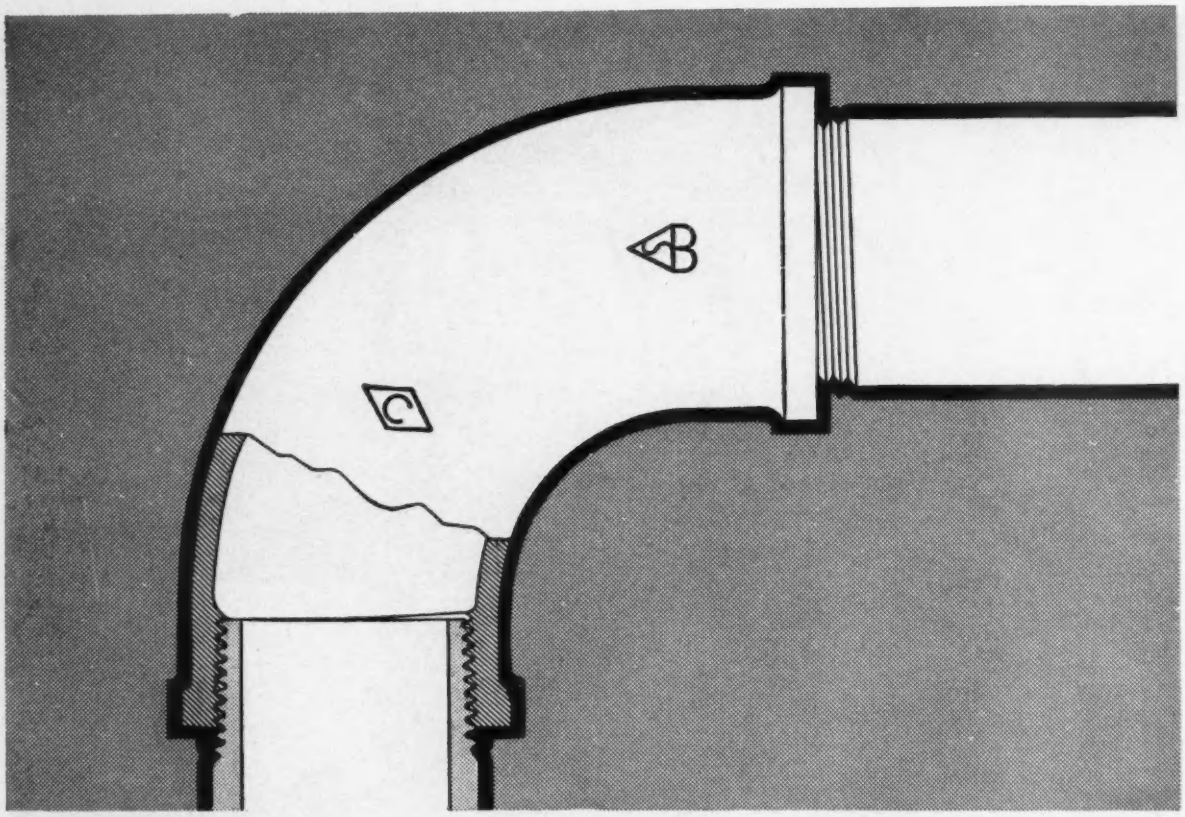

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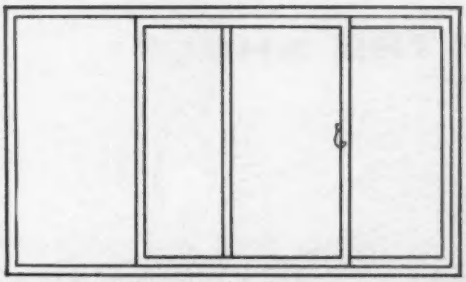
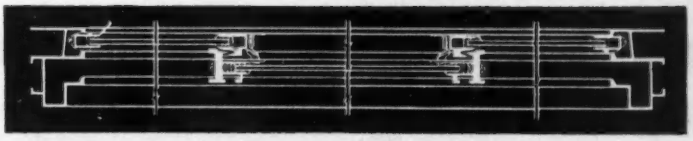
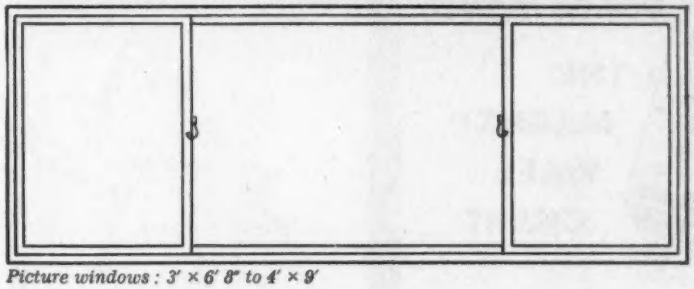
precision-engineered Permatite Sliding Windows

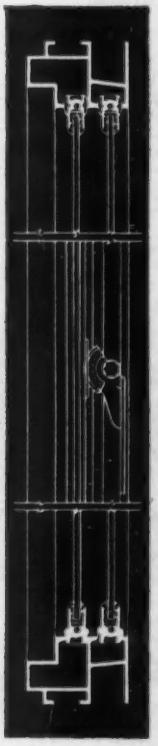


Horizontal sliding: 3′ × 3′ to 4′ × 6′





Picture windows: 3′ × 6′ 8″ to 4′ × 9′



Permatite Sliding Windows are right in line with today's trend in clean, functional design. They offer no obstruction, give greatest field of vison and light inlet, and have no projecting casements to hinder passers-by. Sashes are easily removed from frames for cleaning—a considerable economy and convenience. Sashes move smoothly and silently on zinc runners between stainless steel guides. Completely weathertight, will not warp, rattle or rust. Based on successful U.S. designs, Permatite Sliding Windows are ideal for schools, offices, hospitals, flats.

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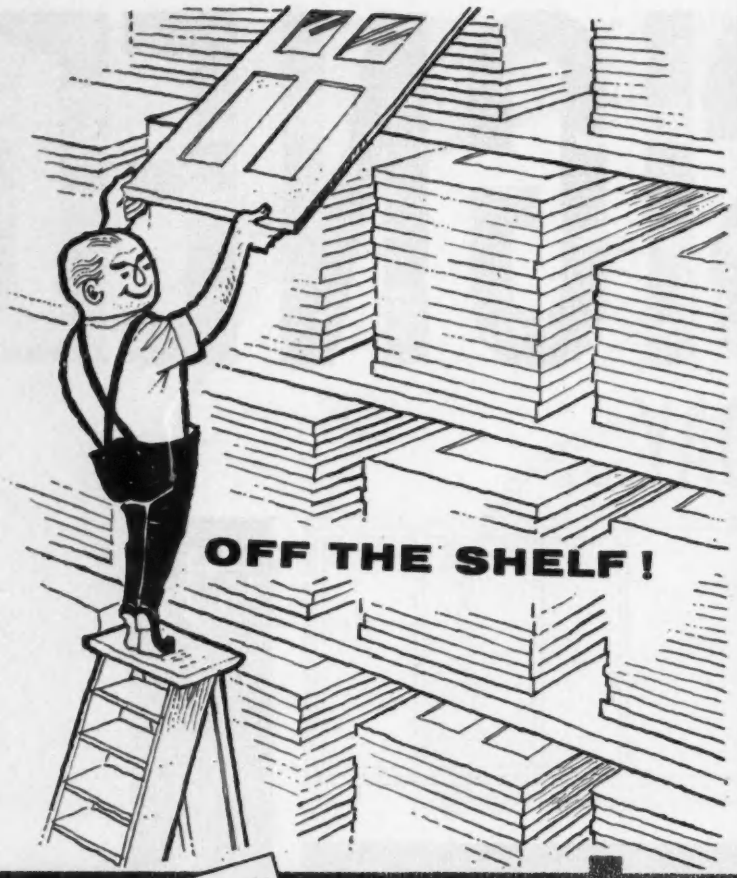

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Designed for strength, durability and maximum light transmission and available in a range of types.

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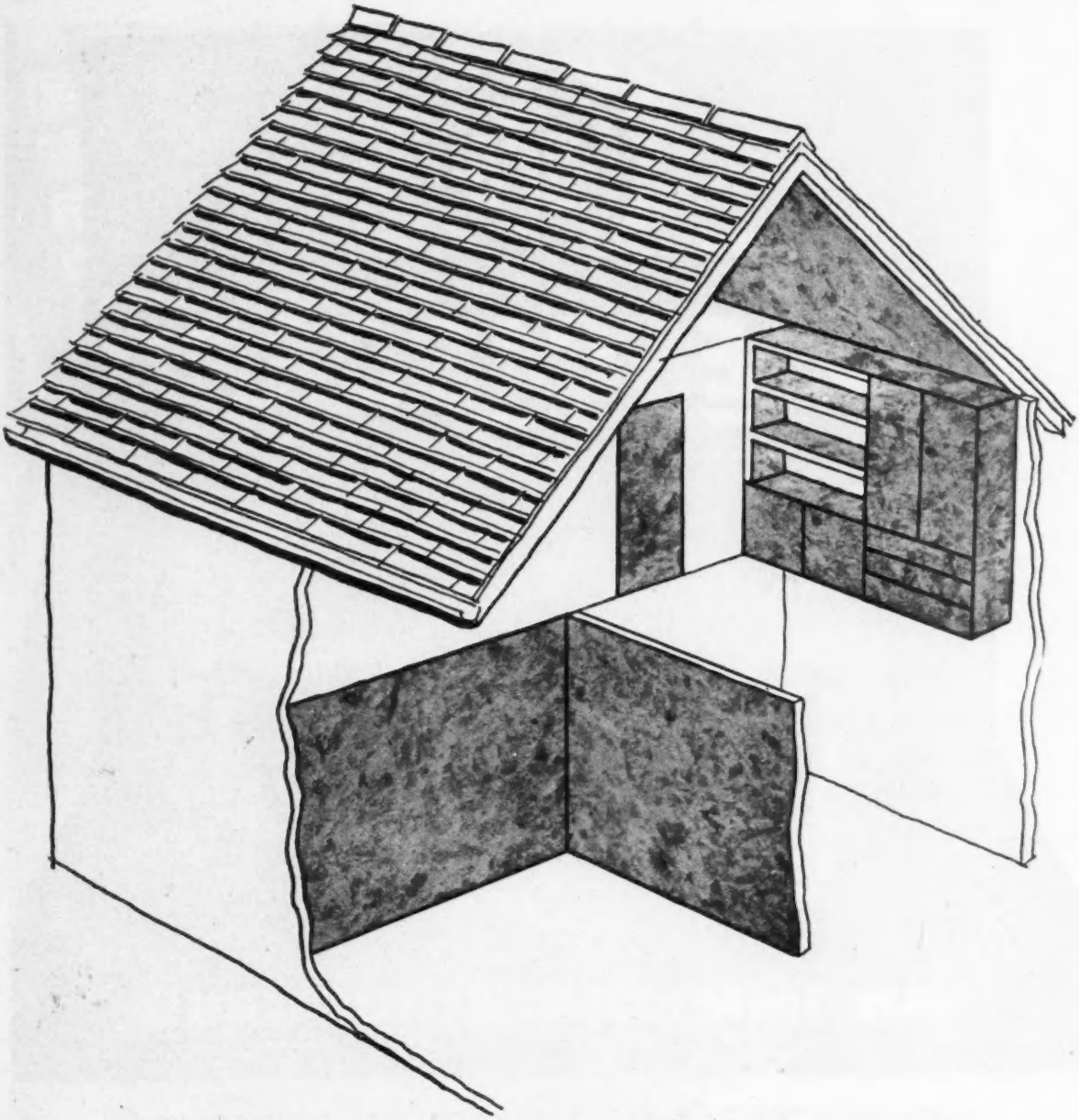

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WPS 85

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Put in a Wastemaster

Too many 'modern' kitchens *still* leave the housewife to cope with messy, unhygienic sink tidies and bins. Solve the problem at the planning stage . . . by including a Wastemaster by Kenwood in your plans.

This neat, efficient appliance fits into the waste pipe under the sink . . . out of sight, saving valuable floor space. It automatically grinds up most kitchen refuse, including food scraps, small bones, vegetable peelings, tea leaves and coffee grounds. These are washed right away, preventing clogged waste pipes and drains.

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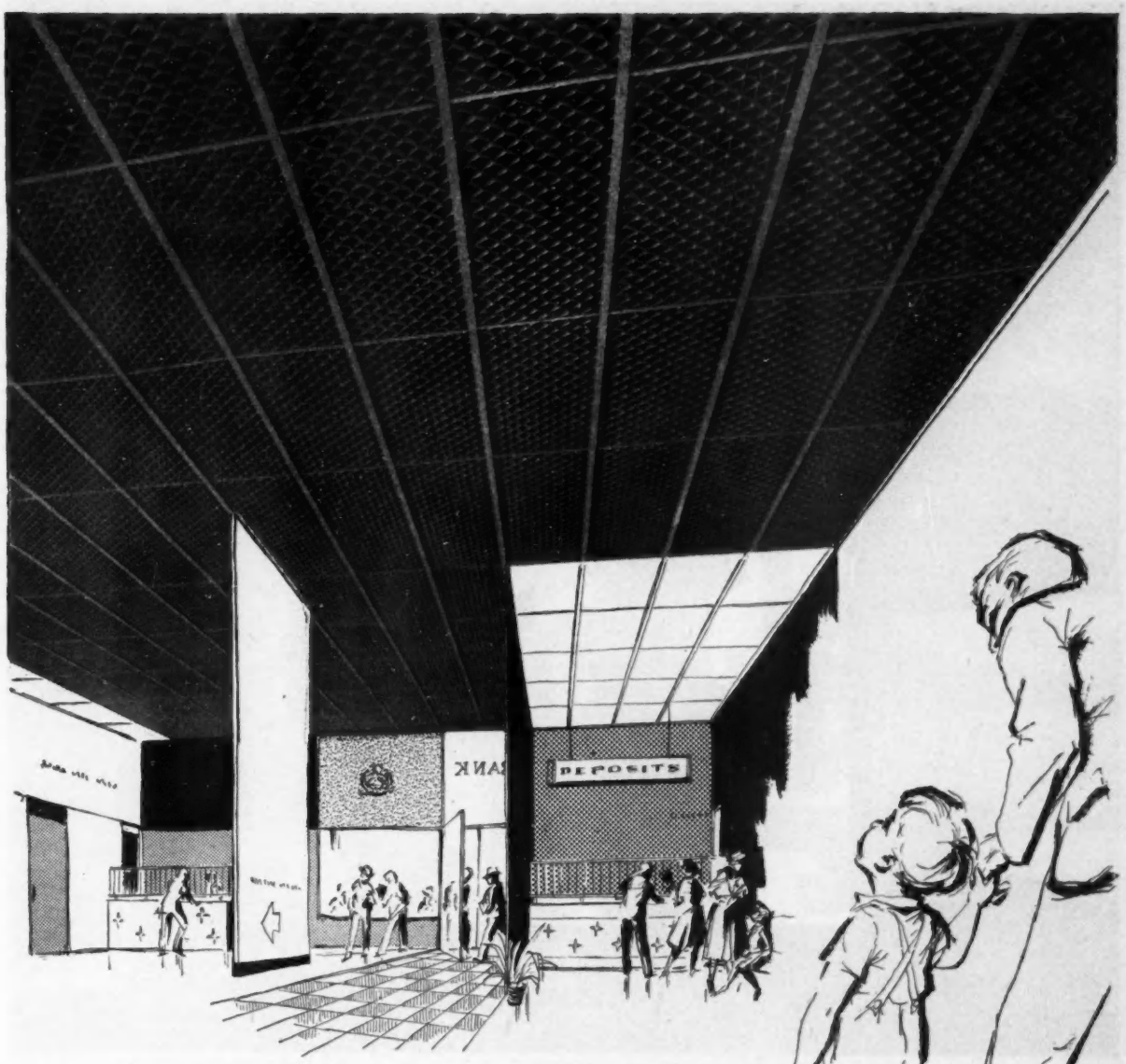

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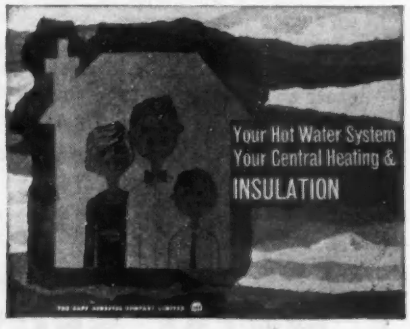

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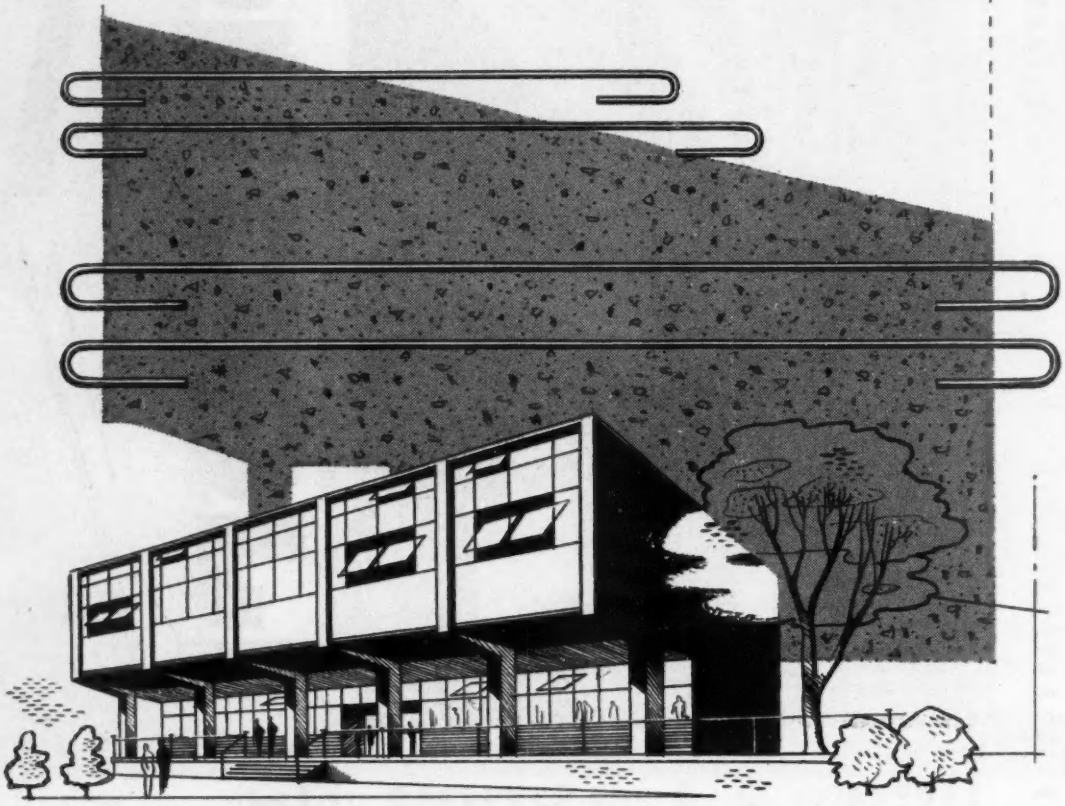

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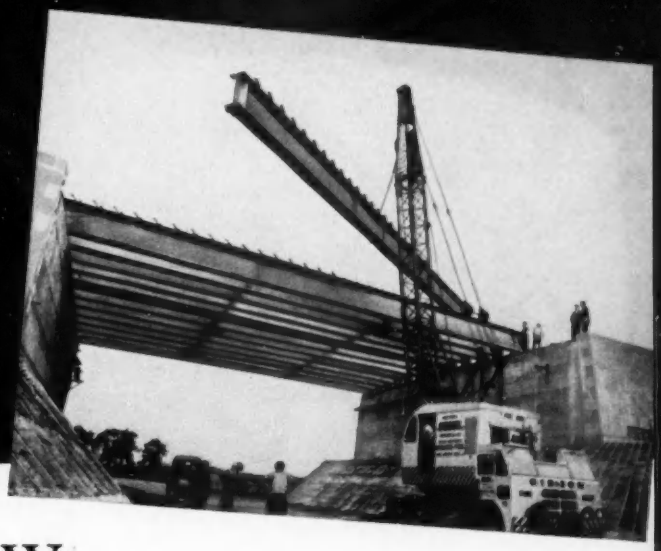

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The portal-frame roof structure (the central portion being steeper to take glazing) is formed throughout from Universal beams, the vertical members being 36″ x 16½″, weighing 260 lb, per foot, and the central rafters of 24″ x 12″ site-welded to the tapered elbows.

Universal beams, again 36″ x 16½″, were site-welded and support the runways for two 40-ton capacity cranes of 80 ft. span, the columns being connected by tie-beams of 12″ x 12″ universals.

The steelwork was carried out by Redpath Brown & Co. Ltd., Edinburgh, who saved a good deal of time and labour by using universal sections which eliminated the need for compounding.

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Here's a *structural* insulating material with a Class I rating for spread of flame! When Stramit Class I slabs are used as roof-decking under felt, they have a U-value of *0.23* and so easily satisfy the requirements of the new Act (which stipulates a U-value not greater than 0.3). And, of course, when Stramit is weathered with corrugated asbestos its U-value improves still further.

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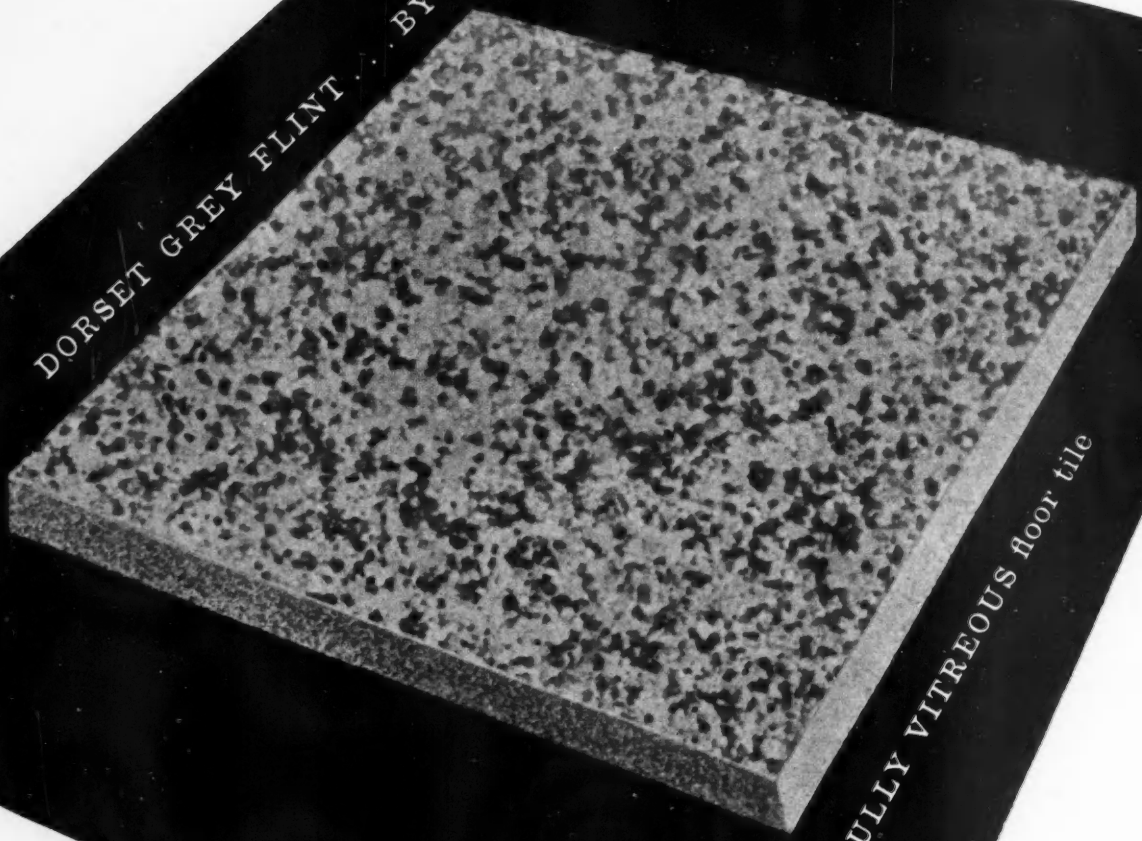

BRITISH made 6" X 6" FULLY VITREOUS floor tile

The tile illustrated is one of the Dorset range of floor tiles, now being produced with entirely new and most modern equipment ensuring that there are no ceramic floor tiles superior to these in the world.

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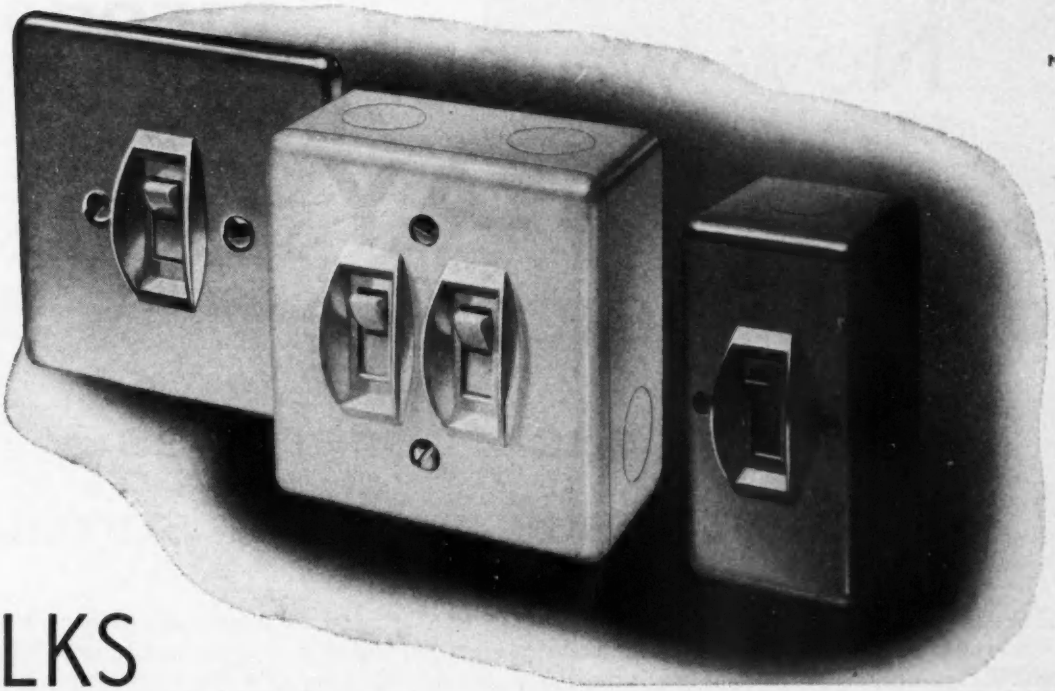
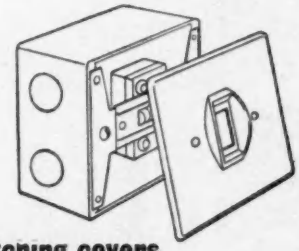


FALKS

new **METALCAST** switches *for use in offices, hospitals, schools, etc.*

Special features include:



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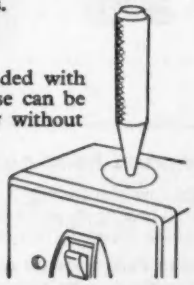
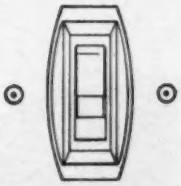
It is possible to avoid unsightly cast iron boxes in commercial surface work. The "Metalcast" box is of the same excellent finish as the plate and permits matching flush and surface installations.

Knockouts

Boxes are provided with knockouts. These can be removed cleanly without spoiling the finish. They thus obviate difficult drilling or bench work on site.



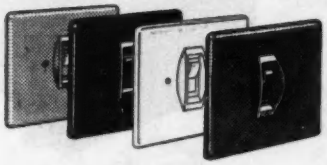


Effective dolly protection

The dolly cannot be damaged owing to the raised side protectors which also add distinction to the design.

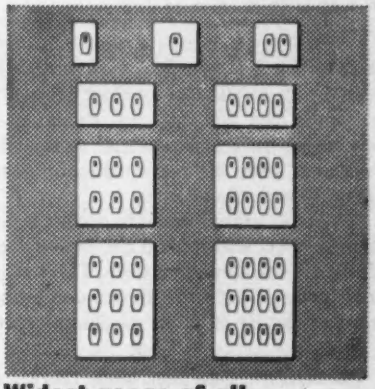
Secret fixing

Where required for schools and institutions all models can be supplied with plate fixing by miniature Allen screws.



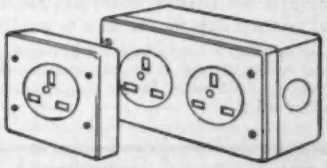
Choice of finishes

The complete Metalcast range is available in Florentine Bronze Plated Finish, Bronze Enamel, Silvercote Enamel or White Enamel. The enamels are based on an epikote resin to give great surface hardness and a resistance to acids and alkalis.



Widest range of all

See diagram—This applies to both flush and surface fixings.



Matching 13 amp sockets

In finishes as above, single and double units, unswitched, the single unit also being available switched.

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FALKS

New water heating PARKRAY 6 convector fire

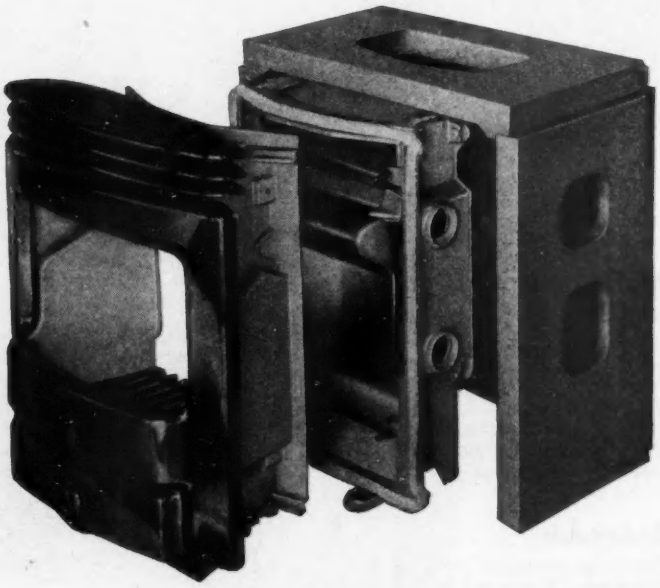
replaces back boiler fires without disturbing the surround

The new Parkray 6 is supplied complete with concrete panels which form a quickly constructed recess to receive the appliance and, at the same time, a convection chamber of the correct size. It can be installed direct through fireplace openings 16" to 18" wide by 22" to 24" high without disturbing the tiled surround. It is a highly efficient replacement for the back boiler or boiler flue set and greatly improves the space and water heating services. Finished in Lexos porcelain enamel in a choice of 6 colours.

PERFORMANCE

The Parkray 6 provides full space heating by radiation and convection in rooms up to about 1750 cu. ft. An adjustable throat restrictor cuts to a minimum the heat loss up the flue—achieving substantial fuel savings and increased comfort compared with the performance of a traditional open fire with back boiler.

Water heating outputs of 10,000 B.t.u./hr. with the damper open, and 7,500 B.t.u./hr. with the damper closed are easily maintainable. This will provide an abundance of hot water for all domestic purposes from a cylinder of about 30 gallons capacity.



The Parkray 6 splits into 2 units. This is a unique design feature which

(a) enables it to be installed in existing fireplaces without damaging the tiled surround

(b) gives full access to boiler and flue connexions

(c) makes it easy for one man to handle.

The appliance backs into the pre-cast concrete convection chamber and is simply connected to the flue and fixed to the hearth. Boiler connexions can be made on either hand.

Radiation

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WATER HEATING CONVECTOR FIRE

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Space heating version

the low-cost Parkray 5 convector fire. Full heating by radiation and convection in rooms up to 2,000 cu. ft.

Other Parkray models are available with or without water heating to give even higher outputs.

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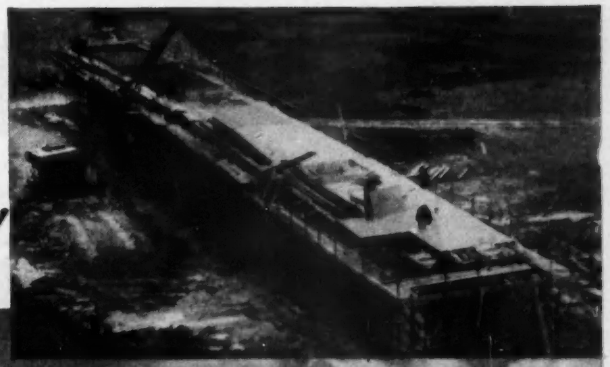

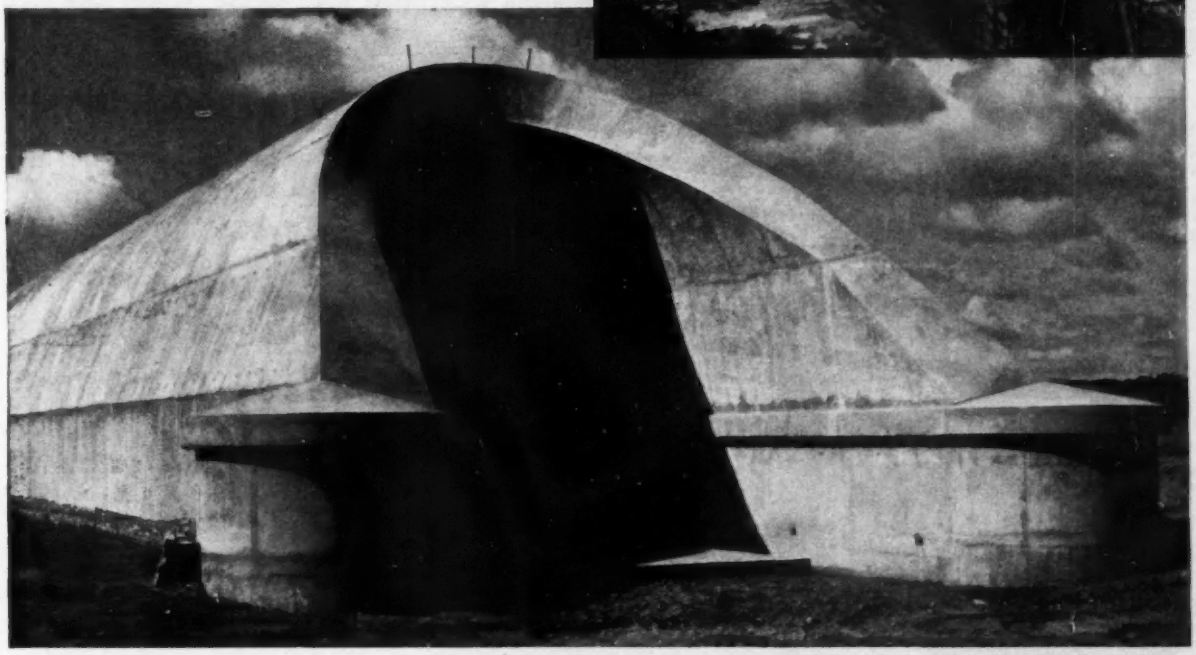

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The verdict: "Canadian Douglas fir plywood has proved eminently suitable for re-usable formwork and sound economies have been achieved."

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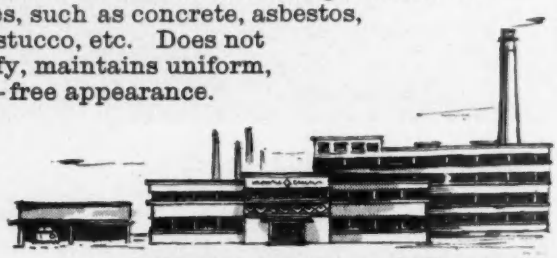

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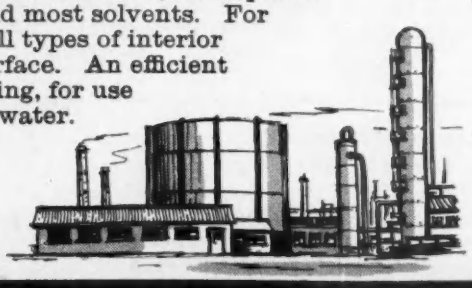

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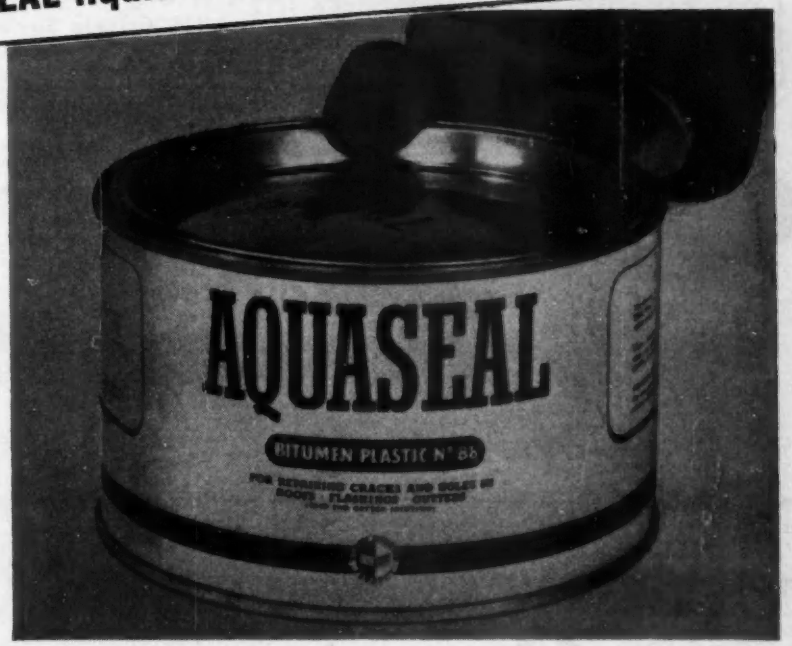

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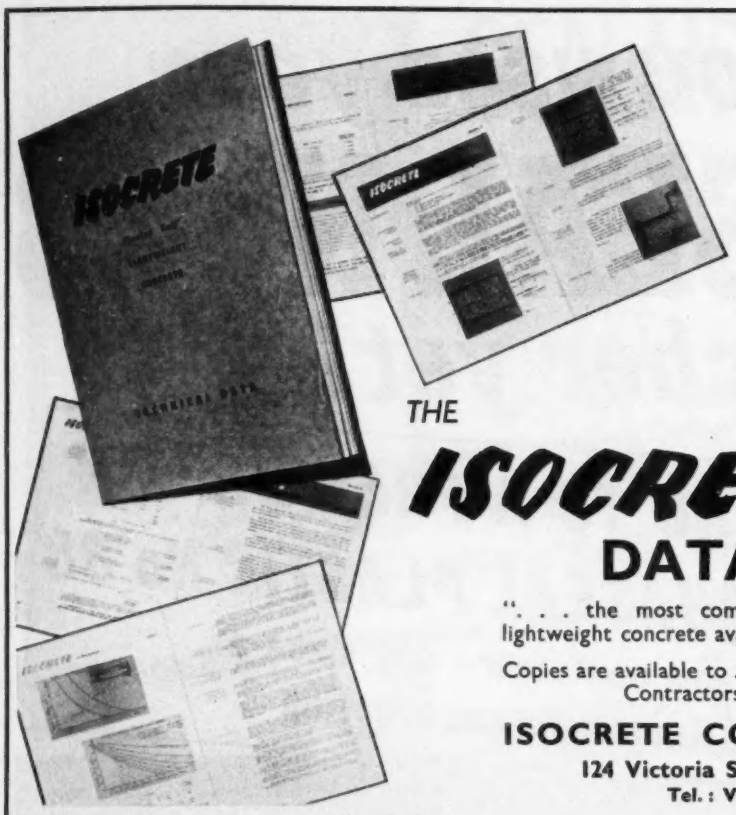

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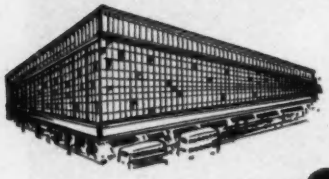

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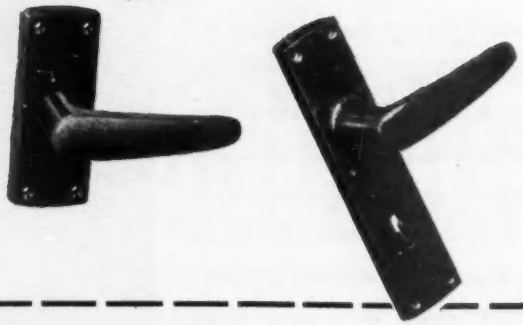

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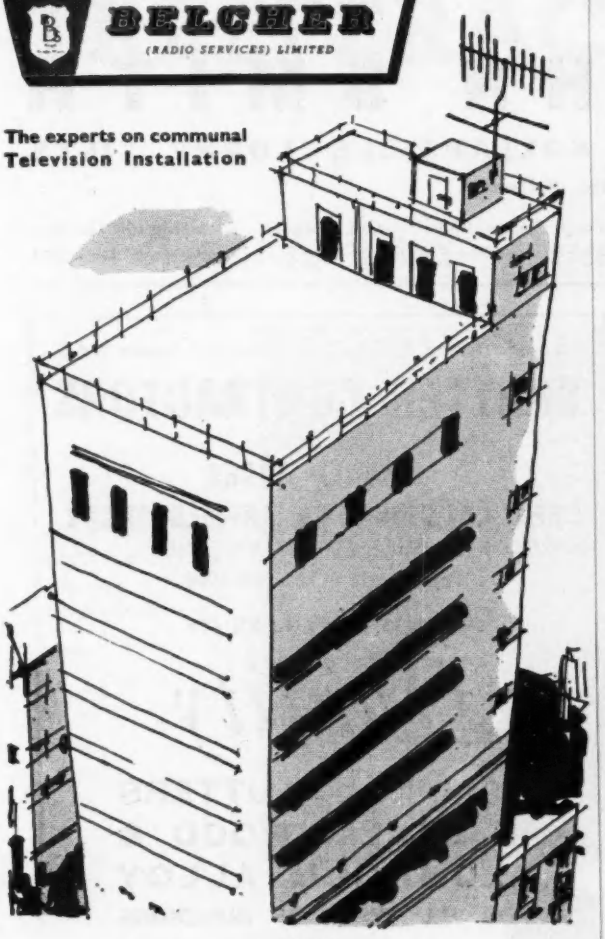

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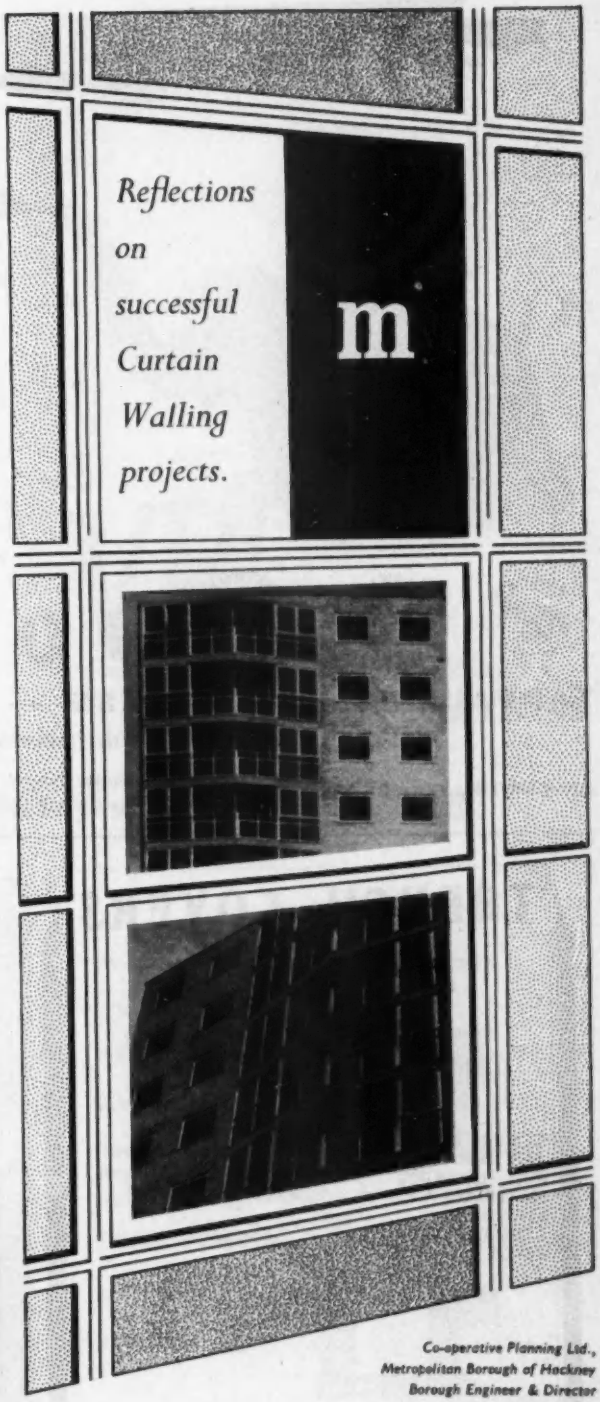

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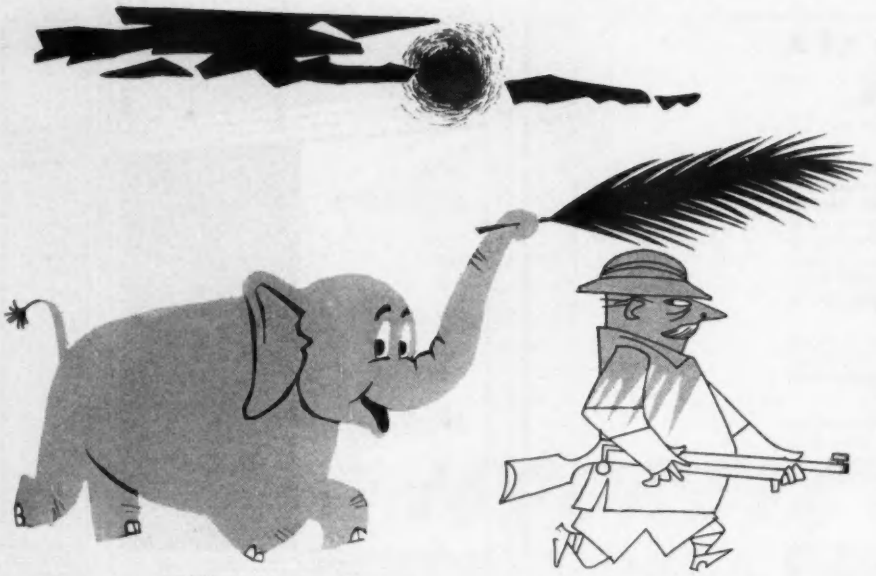

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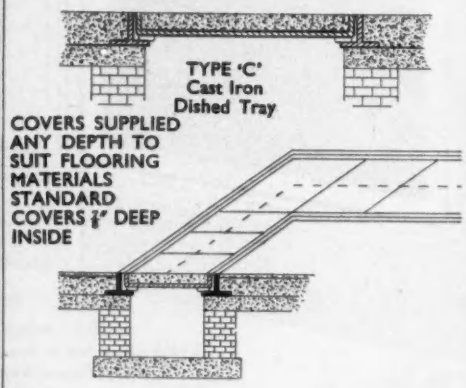

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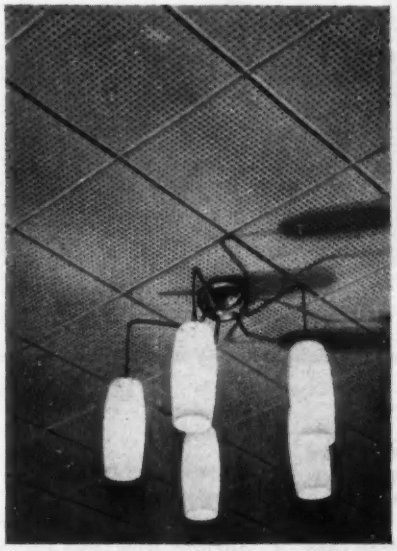

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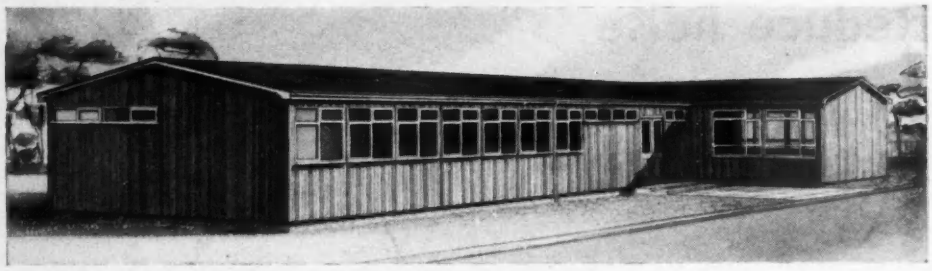

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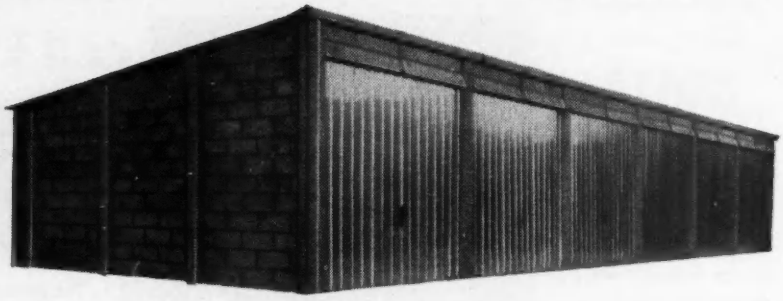

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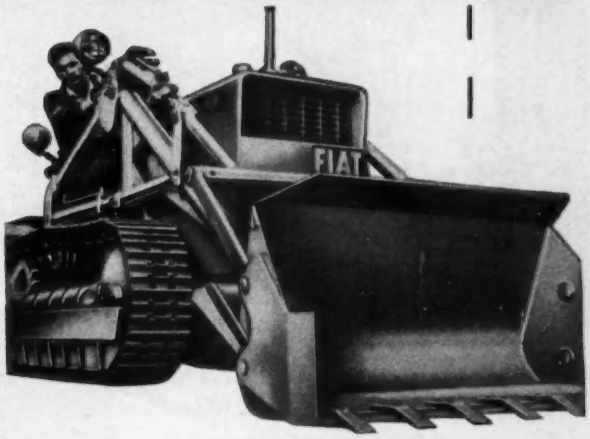

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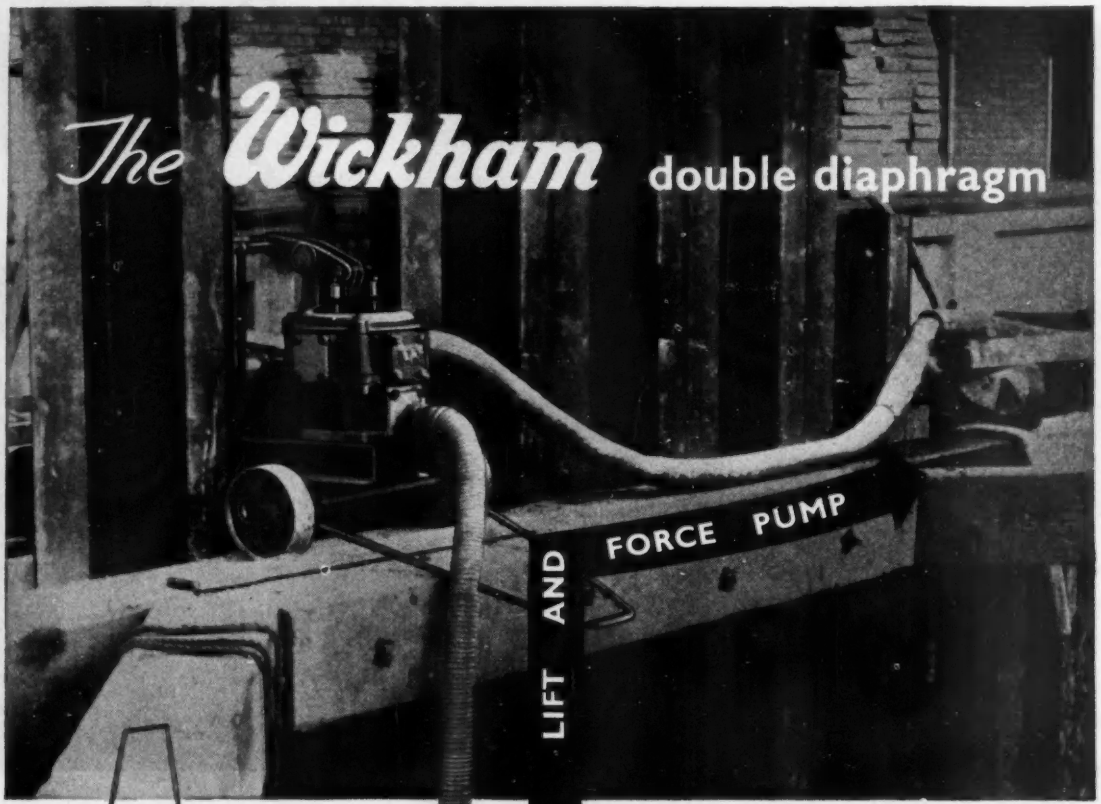

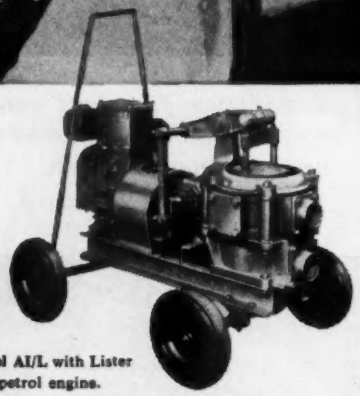

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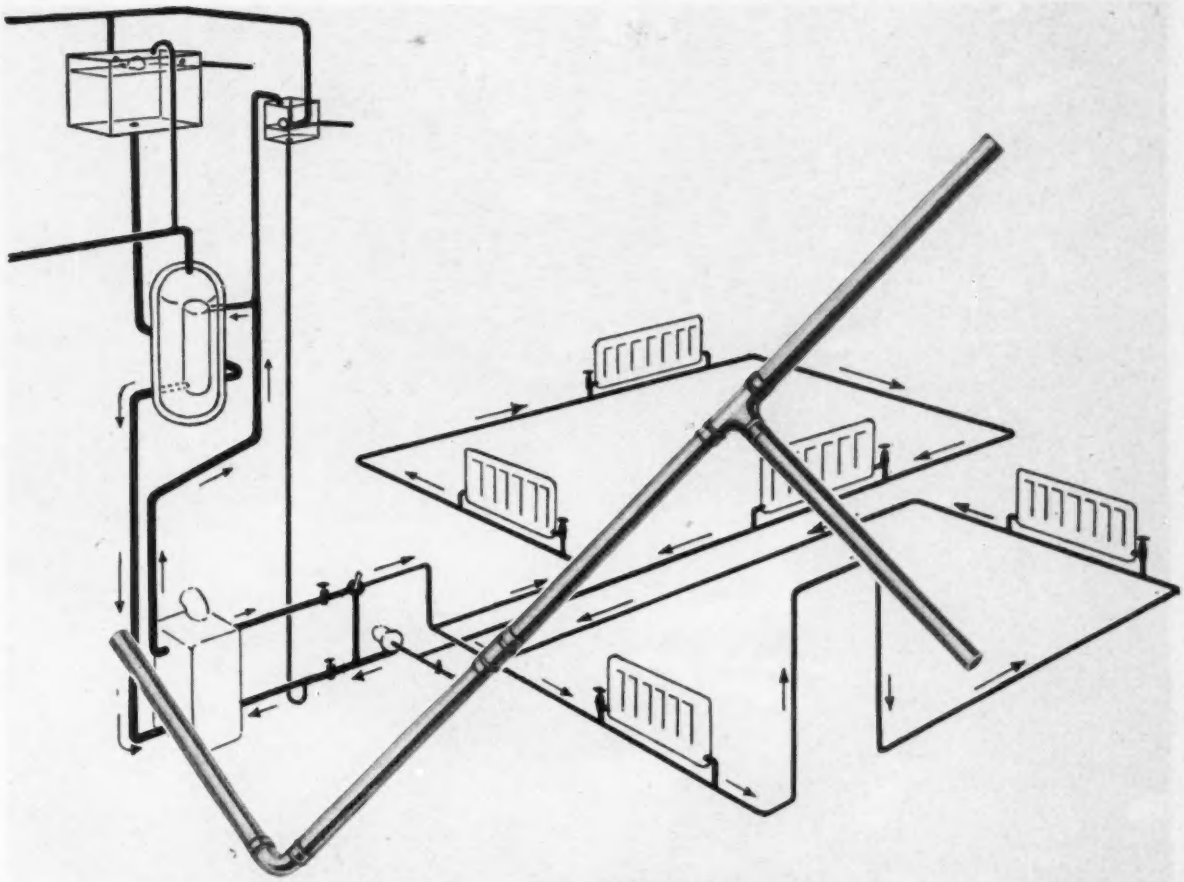

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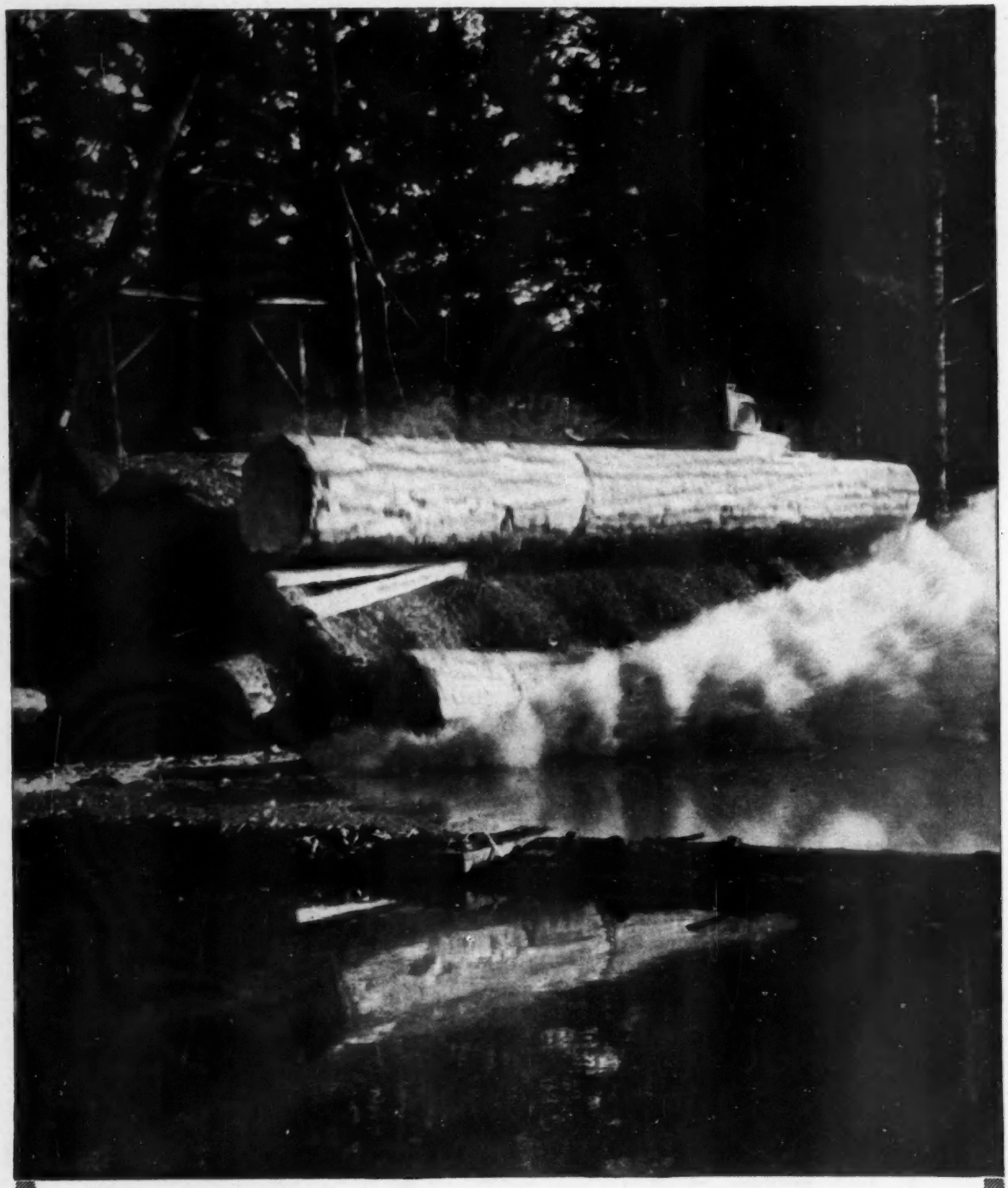

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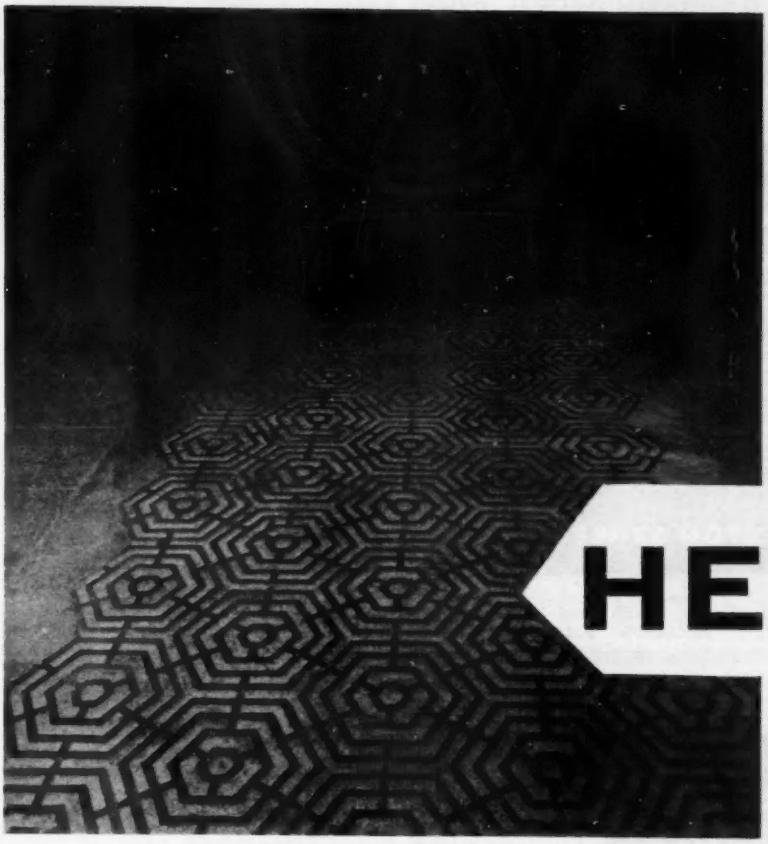

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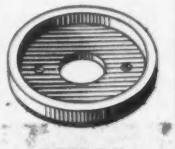

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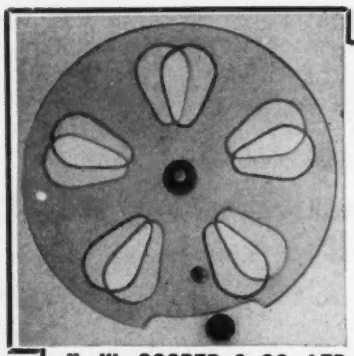

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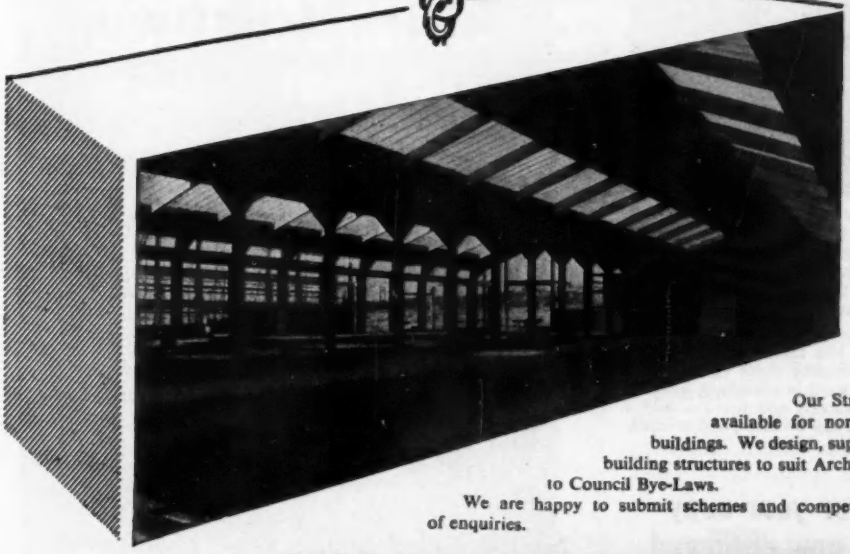

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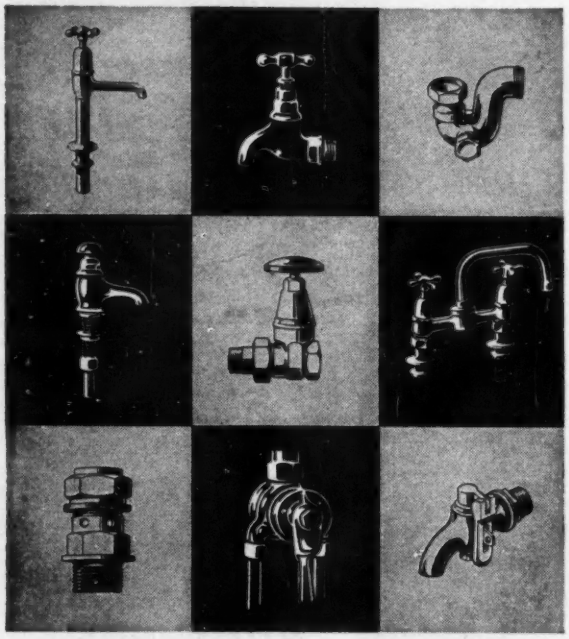

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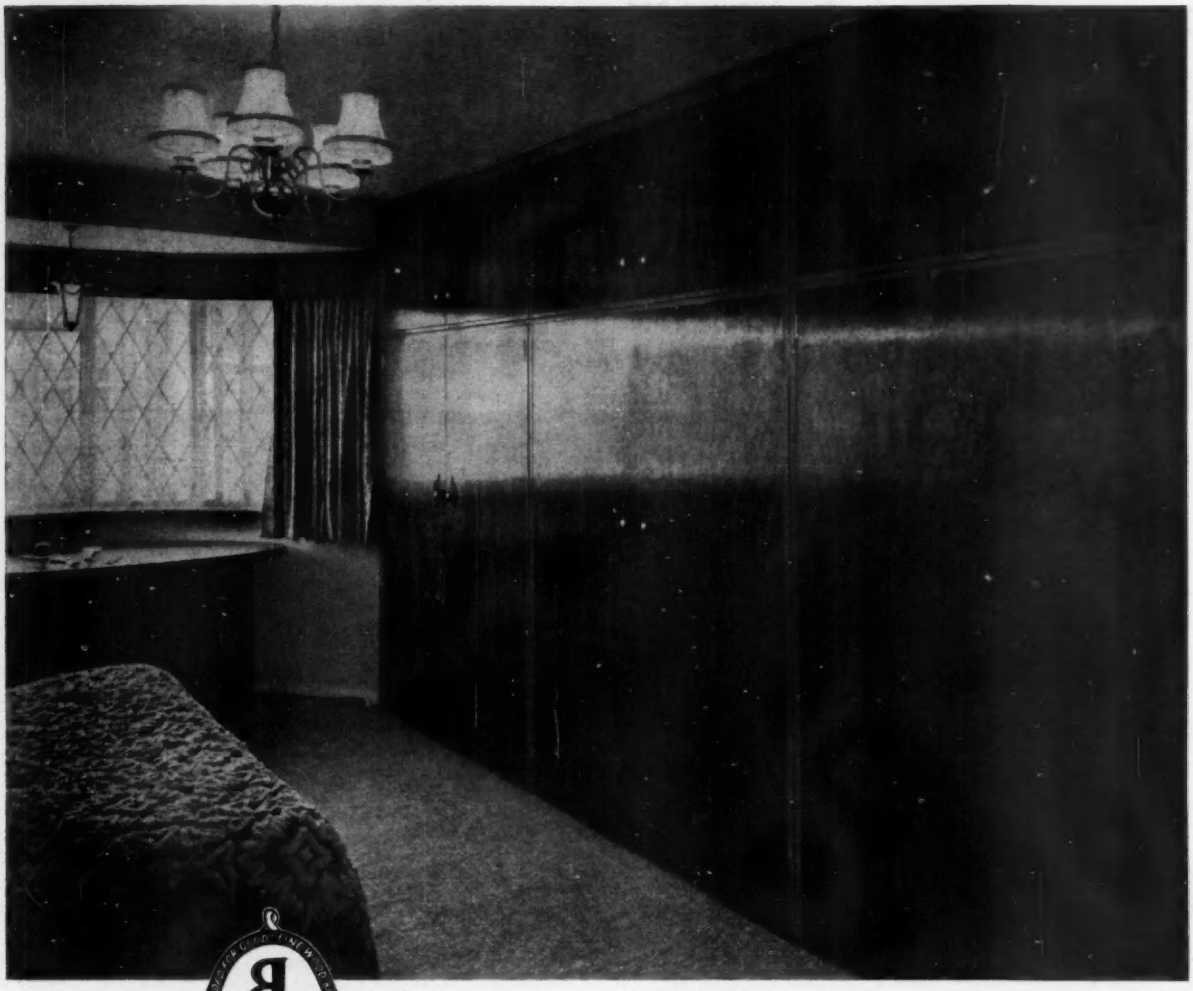

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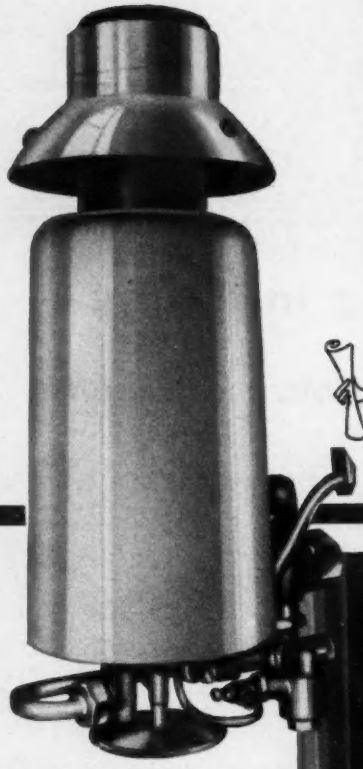

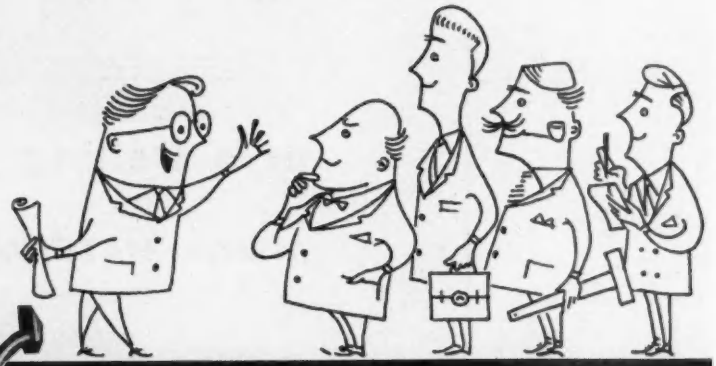

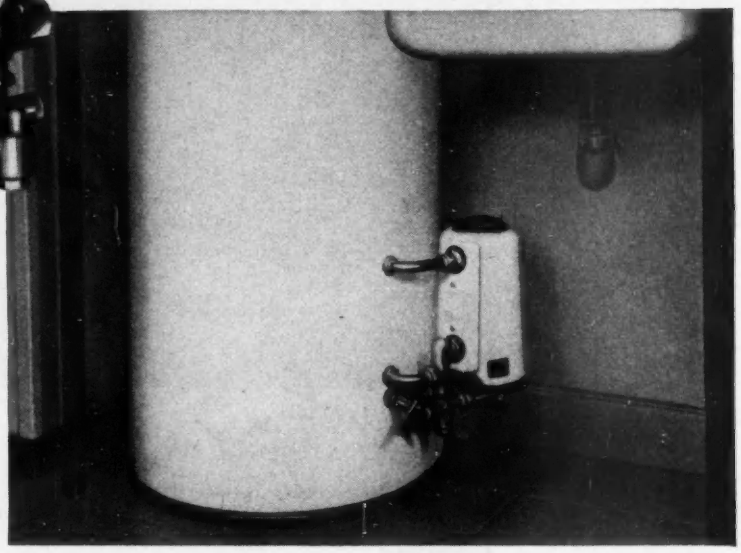

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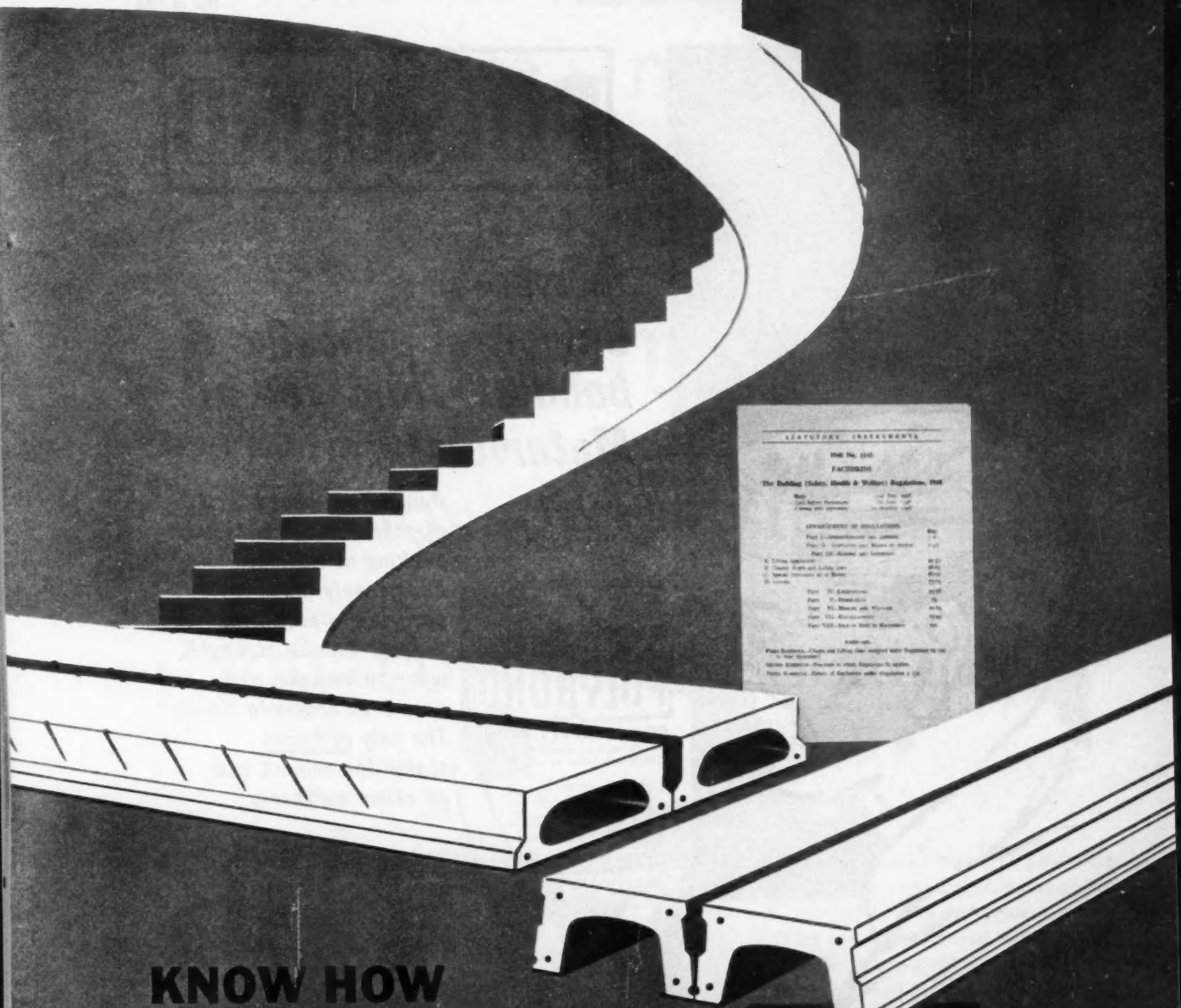

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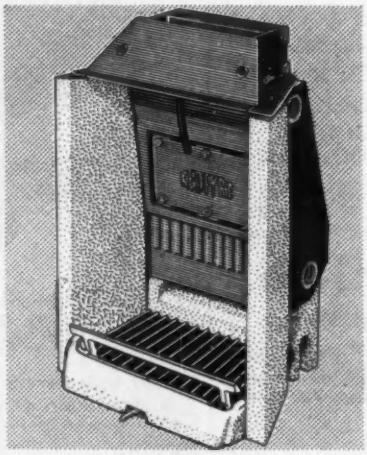

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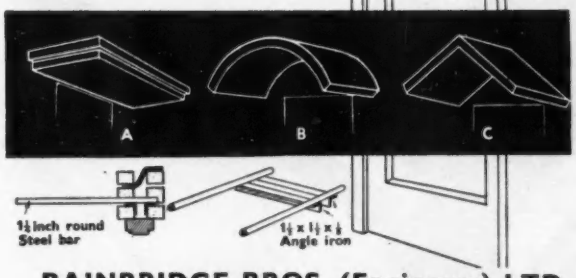

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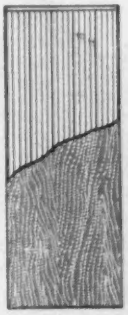
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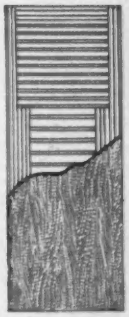
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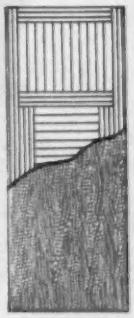
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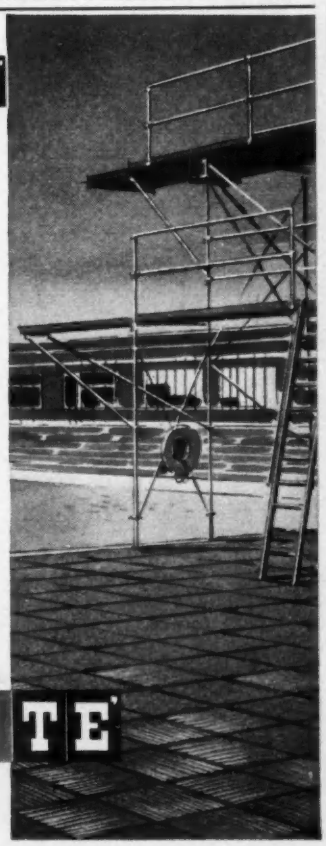

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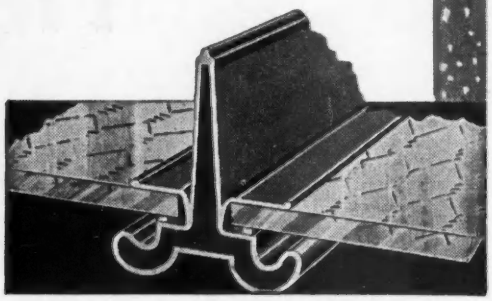

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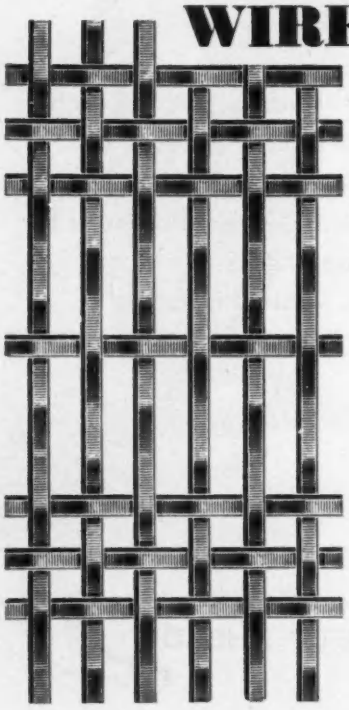

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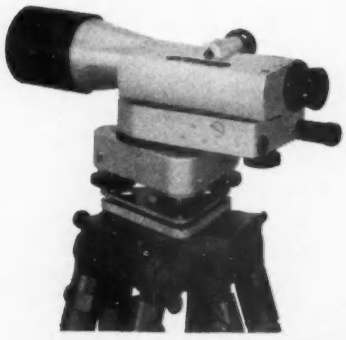

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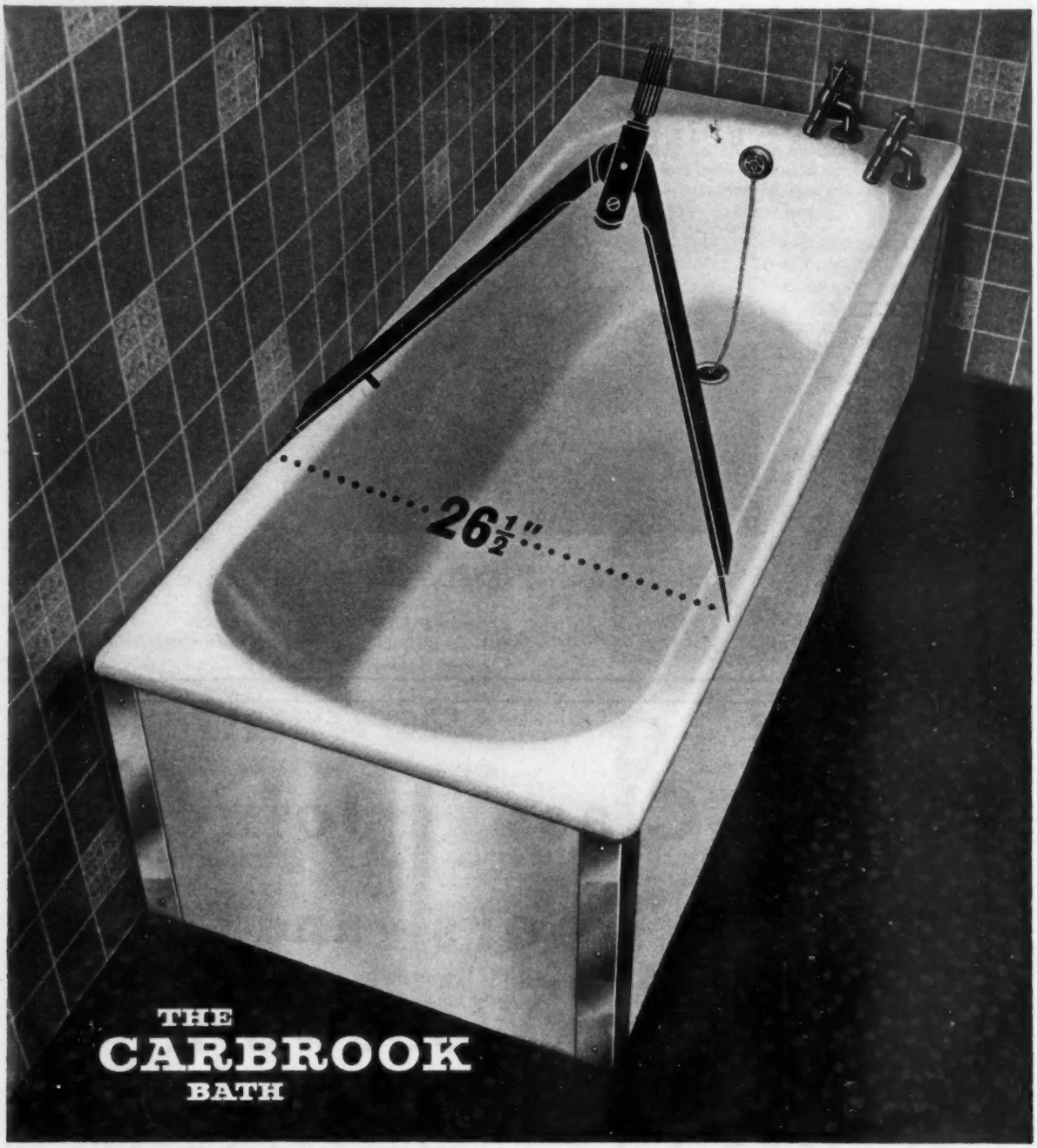

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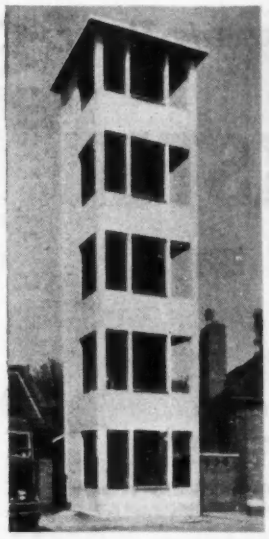

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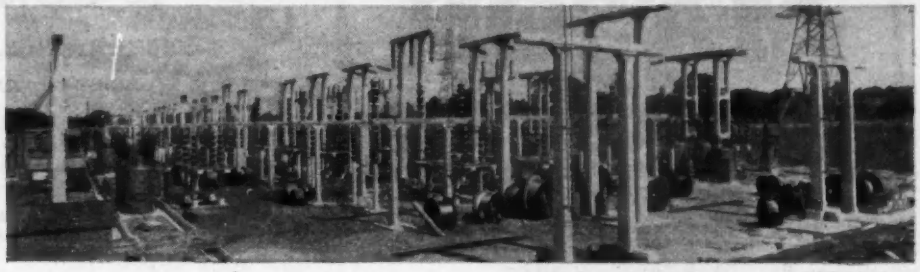

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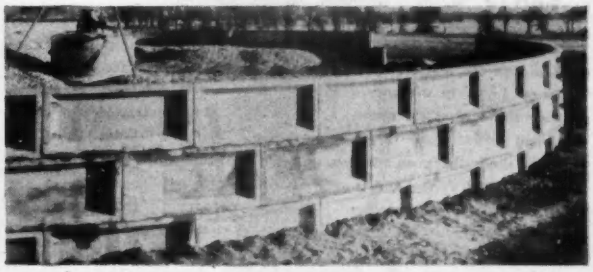

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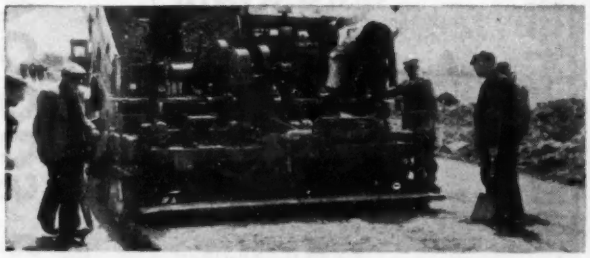

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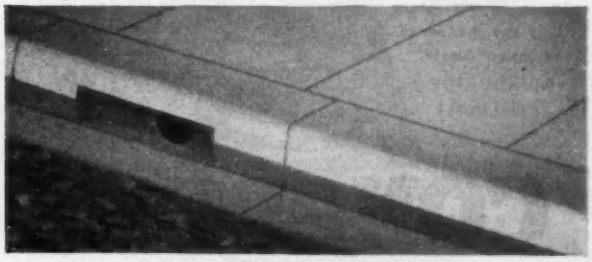

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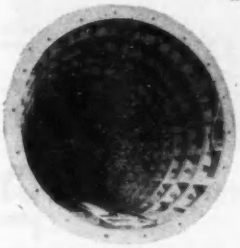

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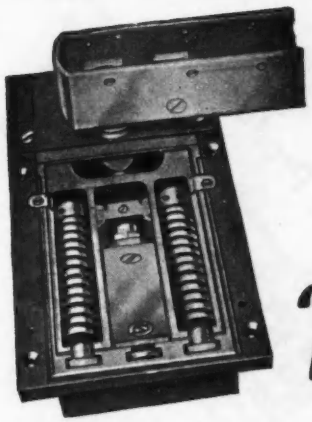

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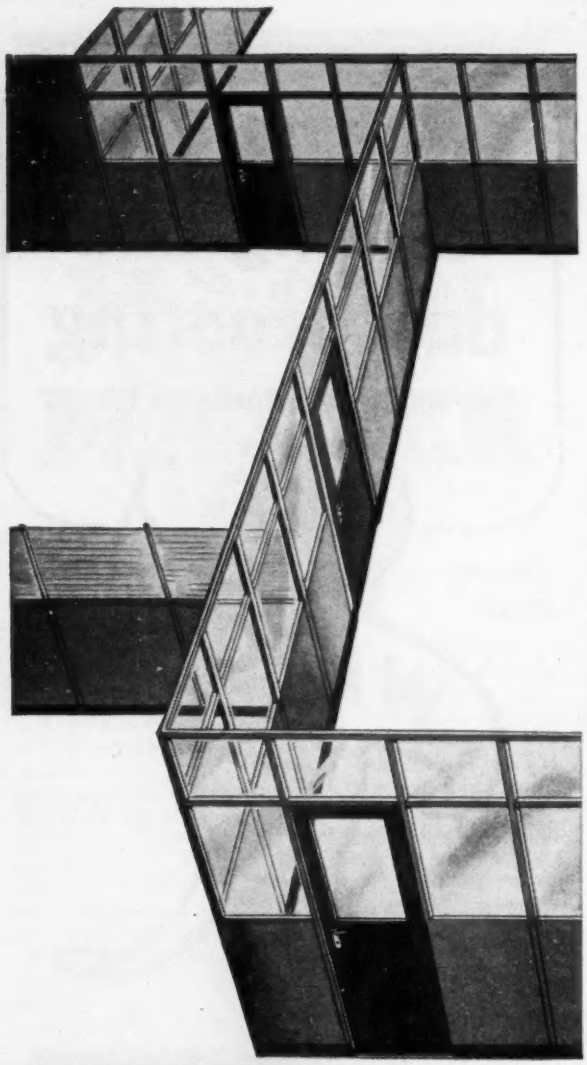

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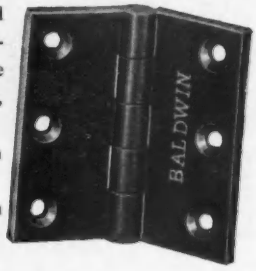

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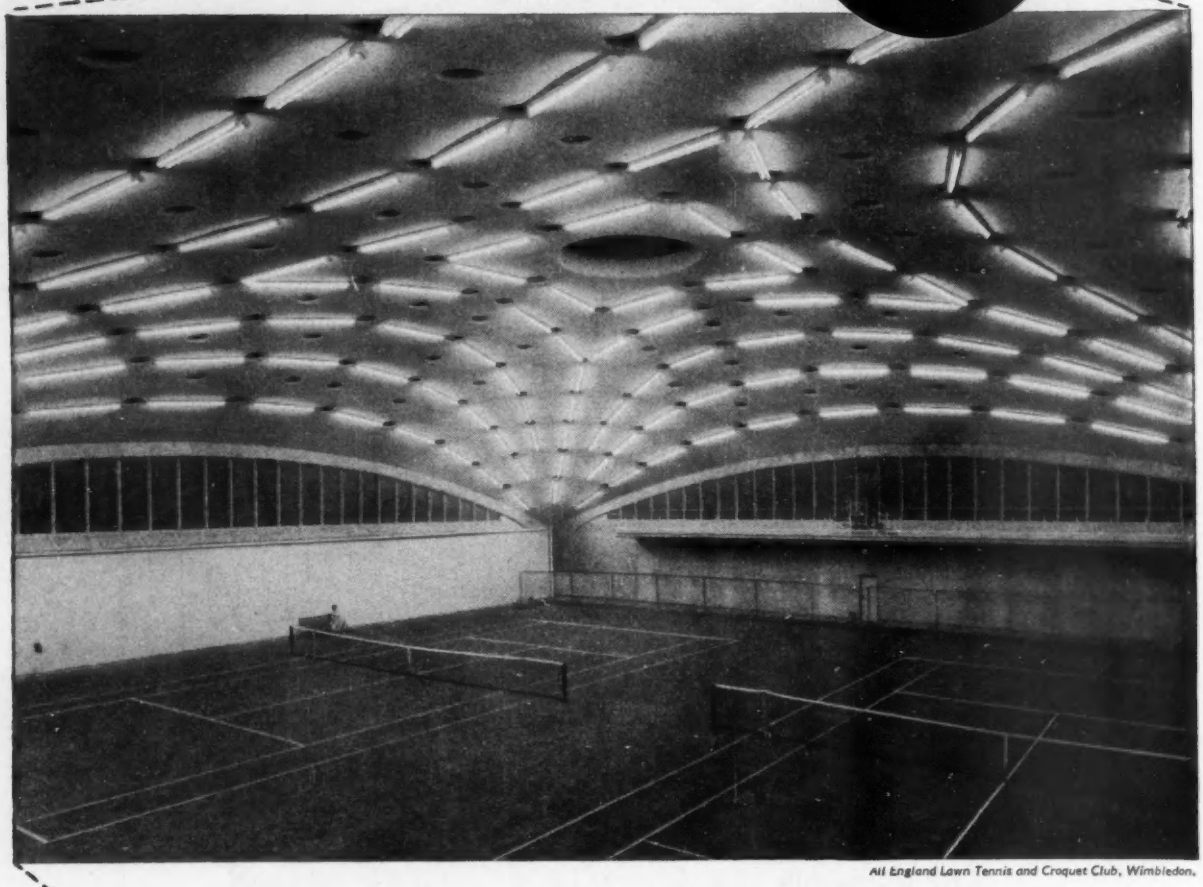

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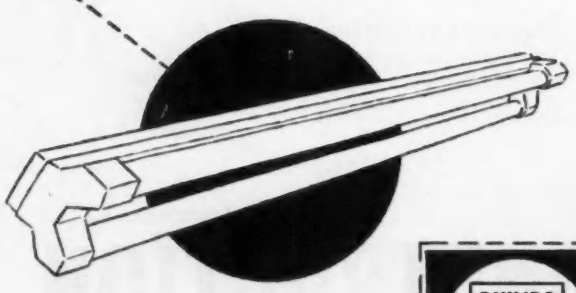

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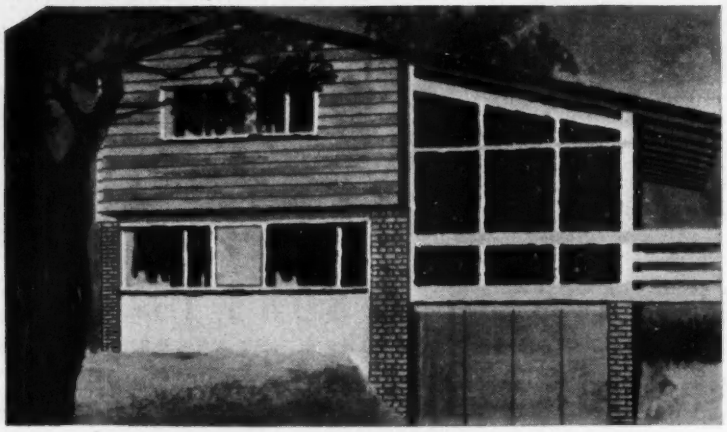

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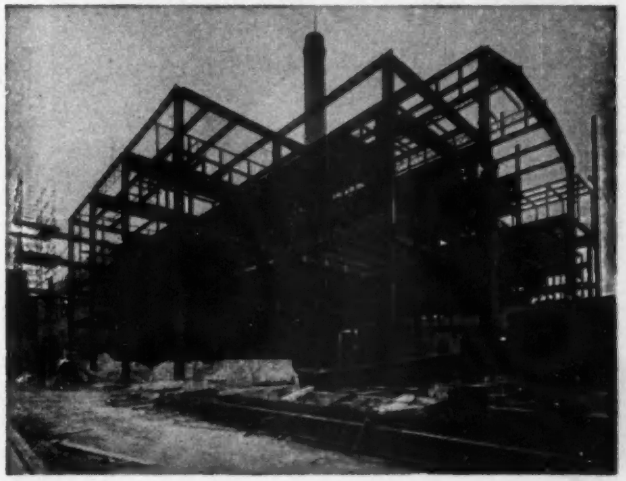

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News Summary

945 *The premiated designs in the architectural competition for new housing at Halesowen are described and illustrated.*

957 *The award is announced in the architectural competition for new Midlothian County Offices at Edinburgh.*

959 *The Register of Architects, 1960, issued by ARCUK, shows that there were 19,183 names on the register at December 31 last, an increase of 194 compared with the previous year.*

961 *Paintings by architects at the Royal Academy Summer Exhibition are reviewed by Susan McMorran.*

964 *Mr. Henry Brooke, Minister of Housing, has allowed an appeal by Wates Ltd. for permission to develop a riverside site at Ham, Surrey, as a housing estate, thereby reversing his decision given when he approved the County Development Plan.*

965 *The current London exhibition of new building materials held at the Building Centre is reviewed by G. H. Wagstaff.*

972 *Appointed in 1927, the Royal Fine Art Commission for Scotland has just issued its first report.*

974 *The bold approach to the problem of traffic congestion shown by the authorities in creating the new Stockholm City Centre is described by J. Grindrod.*

976 *The question of 'bridging finance' for builders under the new Building Societies Bill was debated by the House of Lords.*

'Late News' will be found overleaf, and 'News of the Week' on page 959.

Builder

INCORPORATING ARCHITECTURE & THE BRITISH ARCHITECT

Vol. CXCVIII. May 20th 1960 No. 6105

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Late News

Death of Mr. A. K. Gibbs, AMICE

WE REGRET to announce the sudden death, from pneumonia, at the age of 44, of Mr. Anthony K. Gibbs, AMICE, AMIMunE, AMTPI, chief engineer to Cumbernauld Development Corporation. Mr. Gibbs was due to speak on the second day of the British Architects' Conference, which opens at Manchester on June 15. His work was of a pioneering character on the whole problem of motor traffic and town design, and his death is a tragic loss to the cause of engineer/architect collaboration in this field.

After experience on the staff of the city engineer at Exeter and war service with the Royal Engineers, Mr. Gibbs returned to Exeter in 1946/47 in charge of post-war site servicing contracts. He was in Derby as a senior engineering assistant engaged on road proposals for the development plan, 1947/49, and as chief planning assistant, 1949/54. As chief planning assistant, Oxford, 1954/57, he was concerned with Oxford's road problems. He went to Cumbernauld as senior engineer in 1957 and was chief engineer from 1958.

Welsh Hospital Competition

FORTY entries have been received in the architectural competition for the new University Hospital of Wales, stated the Minister of Health, MR. DEREK WALKER-SMITH, in a written reply to MR. JAMES CALLAGHAN in the House of Commons on Monday.

He added that the judges of the competition were: Sir Percy Thomas, P-PRIBA; Mr. J. H. Forshaw, CB, MC, FRIBA; Mr. F. R. S. Yorke, FRIBA; Dr. A. Trevor Jones, Provost of the Welsh National School of Medicine; Dr. A. R. Culley, CBE, Medical Member of the Welsh Board of Health. The Minister stated.—'It is expected that the judging will be completed in time for the result to be announced by the Chairman of the Board of Governors of the United Cardiff Hospitals and the President of the Welsh National School of Medicine at a Press conference to be held in Cardiff in the week commencing May 23.'

All the designs submitted will be on public view at Maindy Barracks, Cardiff, for 7 days from the announcement of the result and the prize-winning designs together with a selection of other outstanding entries will also be on public display at the Temple of Peace and Health, Cardiff, from June 7 to 11.

The Builder

INCORPORATING ARCHITECTURE & THE BRITISH ARCHITECT

Vol. CXCVIII. May 20th 1960 No. 6105

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Arbiters of Taste

FEW PAPERS HEARD AT THE ARCHITECTURAL ASSOCIATION have held greater interest than that recently contributed by J. M. Richards on the case for and against the Royal Fine Art Commission. The outline given of the reasons for the Commission's existence as well of the way it works was masterly; those who listened to the talk (those that did not can find a full summary beginning on page 969) left Bedford-square with their sum of knowledge of the workings of this curiously British compromise vastly increased. Mr. Richards, himself a commissioner, was first concerned to answer the criticism often heard that the Commission ought not to exist, if only because it raises the issue of control of design and imposition of taste from above. He had no great difficulty in carrying his audience with him here, though one or two speakers left him in no doubt that 'fiddling with fenestration' of designs submitted did go on and should cease. In the main, however, support was given to the view that the Commission has a useful job to do, and that the fact that the body officially has no teeth is no real disadvantage.

The defence put up by Mr. Richards for admitted shortcomings of the Commission—which include, to the public mind at least, a tendency to come on the scene too late coupled with a lack of punch in some of its pronouncements—was not fully convincing. Mr. Richards admitted, and deplored, both charges but was not able to suggest any effective means of curing them. 'The Commission,' he said, 'will not get much further with local authorities if every time an authority does show a project in an early tentative stage to the Commission—as the LCC did in the case of the Piccadilly building—the Commission comes out with a statement to the Press saying that something terrible is being planned. The Commission would probably never be consulted again.' Notwithstanding this, Mr. Richards himself is all in favour of the Commission coming into the open early with its views and that those views should be of a positive nature; it should, he thinks, school itself to use the words 'approve' and 'disapprove.'

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seriously suggest that there are only sixteen people with artistic judgment in the country, or deny that until there are more commissioners available and an augmented secretariat created to deal with the ever-increasing flow of design matters in dispute, the Commission will continue to be too late on too many scenes. As Lord Conesford said in the discussion, Beaconsfield can be as important as Piccadilly, and an early and strong lead from the Commission would be invaluable.

Mr. Richards resisted the idea that the Commission might prevent design and planning mistakes by issuing guidance from time to time on subjects 'in the news' such as the redevelopment of city centres and motorways. It preferred, he said, to judge cases on their merits and not in relation to a general principle. Notwithstanding this, it might well be that the Commission should consider the issue of 'practice notes' which could give general guidance to developers and which might prevent those initial mistakes in choice of architect or design from which, too often, there is no recovering. This would be in line with the policy of taking a lead which Mr. Richards himself advocates for the Commission.

Notes of the Week

RIBA President-Elect's Thoughts : Hospital Building and Architects ; RIBA Journal's New Look ; Fine Art in Scotland ; Amenity Awards ; RICS Research Grants ; Building Societies and Design

SIR WILLIAM HOLFORD, who takes over the Presidency of the RIBA on July 1, gave on Monday what he described as his personal opinions on architecture and planning. Speaking at a Press conference presided over by Mr. Basil Spence, Sir William pleaded for a new deal for architects and spoke of the RIBA's job as to improving environment and to make it possible for the architect to make his contribution through his own practice; in the building industry as a whole through teamwork, research, etc.; and through training for all types of building. 'Architecture,' he said, 'must be significant and memorable, and to make it so the right questions must be asked and answered before building starts. The client seldom puts those questions himself, so the architectural profession must do this for itself. Architecture, if it is to be memorable, must reflect the questing spirit of our day.' It was strange that while we had some fine buildings, Coventry Cathedral, Churchill Gardens and the Royal Festival Hall among them, we had no prestige office blocks, 'nothing that people might want to keep in a hundred years' time.'

* * *

THE PRESIDENT-ELECT then gave some views on urban development where, he said, floor space, economic controls and the tug between multiple ownership of city sites were the factors. 'Some way other than political means must be found of overcoming these difficulties,' he declared. 'The architect should be at the elbow of those in committee or in Government who make plans.'

Asked to expand his views on the problems of multiple ownership as affecting large-scale re-development, Sir William said he envisaged long-term draft schemes being prepared for important areas with the full knowledge of the various developers. 'Architectural guidance,' he said, 'must be given at an early stage, when it should be possible to say: "Look here, this just isn't good enough." This control should be exercised by the local planning authority or by the Minister of Housing. Environment means more and more as we get increasingly mechanised.'

Hospital Building and Architects

THE RAPIDLY DEVELOPING hospital building programme, on which £56m. will be spent over the next two years, will provide much work for architects. It is already raising considerable problems for the administration, especially connected with the preparation of plans—not surprisingly when it is recalled that for ten years after the war no new hospitals were started. Since 1955, however, nearly 180 major projects each costing £250,000 or more have been announced, including 30 new hospitals. Where are the architects to design them ?

The Minister of Health and his architects' branch deserve commendation for tackling this question realistically. The autonomous regional hospital boards are being encouraged to increase their staffs while still making good use of private architectural firms. It is confidently expected that a number of far-sighted boards will now follow the enlightened example of the Oxford regional board whose chief architect has developed an effective scheme of briefing the private firm which may have had little or no previous experience of hospital design. The Ministry expects that, on average, about half of the programme will be designed by private practitioners and the other half by the regional boards.

* * *

THESE BOARDS should find the task of recruiting staff much simplified by the new salary scales which Mr. Tatton Brown, chief architect to the Ministry, has succeeded in establishing. Top salaries are now at the £3,400 level, a step-up of over £1,000 from the previous maximum, and (as is shown in an official statement on page 963) commensurate increases have been made right down the scale with the result that Hospital Board appointments now become some of the financially most attractive in local or central government.

* * *

MINISTRY OF HEALTH is to do more than offer good salary conditions: it recognises that training is necessary to familiarise architects with the basic principles of hospital design. In the statement that previous design experience in the subject is not necessary in applicants for posts provided that they possess good designing ability and practical experience, Mr. Tatton Brown's hand can be seen; as also in the devising of two special courses in hospital planning and design which have been laid on. The first of these, at the RIBA from July 11-15, is specially intended for those without previous hospital design experience; the second, under the direction of Mr. R. Llewelyn Davies, has been arranged by the Nuffield Foundation at Worcester College, Oxford, from August 22-September 15. About 60 senior architects recently appointed to regional boards will attend the Oxford course, and there will be places for about 300 in the RIBA course, at which architects in private practice and interested assistants will take part.

RIBA Journal's 'New Look'

LATEST OF THE TECHNICAL PAPERS to change its style is the 'RIBA Journal' which in its May issue adopts a new look not only in its cover and editorial make-up but also in editorial policy of which, perhaps, the most important is the intended inclusion of a monthly leading article. Quality of paper has been improved, the A4 size adopted and, enviably, the journal goes out flat and not rolled.

No one, least of all ourselves (who may be said to have started last November what bids to be a complete cycle of redesigned 'technicals') will be under any illusion as to the amount of work that has gone into the new Journal. On the whole we like it, not least the coloured section which contains the professional news. But 18 consecutive pages of reprinted

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Poet's Corner

IN A RECENT BROADCAST from London, Mr. Alistair Cooke said he was shocked to see that we were carrying out the Hyde Park Corner—Marble Arch road improvement scheme. Similar 'improvements' in the cities of the USA had not reduced congestion but increased it.

Improve the London roads or let them be?
Here's a dilemma for the LCC,
Remorselessly decreed by fates perverse—
What e're they do congestion must get worse!
Thus do the planners ever stand in awe
Of unrelenting Parkinsonian law—
Aloof to all restrictions, rules and codes,
'Traffic expands to fill the larger roads'!

ANON.

addresses without a single illustration to enliven them is something which exigencies of space no doubt have caused but which can perhaps in future be avoided. Most debatable is the cover style, but all covers are debatable, or should be. It is said of this one that it hardly befits a professional institution. Just what should a professional journal look like? We shall watch successive efforts of Mr. Herbert Spencer, who is responsible for the cover, to see if he can give a lead. Meanwhile, congratulations to the committee responsible, as also to Mr. Noel Musgrave, the editor, on achieving a welcome liveliness.

Fine Art in Scotland

THAT IT PUBLISHED LAST WEEK its first report since being founded 33 years ago must not be taken as indication that the Royal Fine Art Commission for Scotland has been idle. Listed are about 400 matters investigated during the period, and if that does not appear very much, it should be noted that the commission carries on its work with nine members only and without full-time staff for its day-to-day needs. In the circumstances the phrase in the report 'if the Commission is to play the increased part for which there certainly seems to be urgent need, some expansion of its modest resources would seem to be inevitable,' verges on the brink of understatement. In view of the English Commission's failure to influence the landscaping and bridge design of the Motorways programme, it is not without interest to read that 'nothing has done more to promote the principle that the Commission has a part to play in the planning of public works than the great road bridge construction programme undertaken in the 'thirties.'

This is an interesting report and we welcome the statement that in future the Commission is to report biennially. In view of Mr. J. M. Richards's statement made during his review of the English Commission's working (referred to in the leading article) that the RFAC does not favour the issue of guidance notes on general principles, the comment in the Scottish report on that Commission's action in regard to the proposal to substitute glass in the contemporary idiom for the Munich glass memorial windows in Glasgow Cathedral, is worth noting: 'The memorandum drawn up by the late Dr. Douglas Strachan, at that time a Commissioner, forms a striking essay in the aesthetics of stained glass.'

Amenity Awards

MEANWHILE THE CIVIC TRUST, in pursuance of its policy of stimulating interest in civic amenity, is opening its scheme of amenity awards to County Boroughs and equivalent local authority areas throughout the United Kingdom. Last year's scheme was enthusiastically received, there being 699 submissions from 68 counties. Already this year over 50 cities and county boroughs have agreed to take part in the award scheme which is in two classes—one, for a larger scheme which contributes to the planning and appearance of an area; the other for less comprehensive schemes including the design or restoration of individual buildings. The President RIBA is to nominate assessors, and entries, to the Civic Trust, 79 Buckingham Palace-road, SW1, must be in by June 30.

RICS Research Grants

THE EDUCATION TRUST of the Royal Institution of Chartered Surveyors, in making its first report this week, has taken the sensible step of agreeing to devote certain funds originally available for granting aid to young men studying at the Universities to a new end—the encouragement of research at the post-graduate stage. Since 1956, four such grants have been made (among them one to the Wilderness study group through Mr. E. Norman Harris for research into the different forms of constructions under varying conditions) while the latest (1960) award is to Mr. J. S. Andrews for research into the development of land values in a North London dormitory area. The Trustees now invite applications for further grant (about £584 is available annually) either from individuals or groups of members who should submit projects which could be of benefit to the profession as a whole and to the Institution. These should go to the hon. secretary to the Trust, Rear-Admiral P. W. Burnett, CB, at 12 Great George-street, SW1, before June 30.

Building Societies and Design

NOT FOR THE FIRST TIME the address of the chairman to the Building Societies' Association, given on May 18 at Bournemouth, contains no mention of the knotty question of house design. But the current issue of 'Building Society Affairs' makes amends in an article headed, 'The Attitude of Building Societies to Modern Architecture' in which the problem is very fairly discussed. The article is reprinted on page 961 and we shall return to it in a later issue. It is worth quoting the final paragraph: 'What can be done to bring architects and building societies closer together? One practical suggestion is that the architect should approach a building society at a very early stage in any new project. In this way each party will understand the problems of the other and no doubt both will gain from the interchange of opinion.'

Competition Result

Highfields Development, Halesowen

AN ARCHITECTURAL COMPETITION has been held by the Borough of Halesowen in which British architects were invited to submit designs for the building of 250 flats at Highfields, Halesowen.

The Assessor was Mr. Eric Lyons, OBE, FRIBA, and from the 43 designs submitted he awarded (as reported in our issue of May 6) the following prizes:

First Prize (£1,000): Mary E. L. Granelli, Miall Rhys-Davies, Remo Granelli. Second Prize (£500): Andrew Radwan, J. Warren Chalk, Ronald Herron. Third Prize (£200): Michael J. Smith, Jeremy A. T. Goer. Commended (£100): Edward H. Hartry, Roman Halter. Commended (£100): David Dry, Katharina Halasz. Commended (£100): J. Bruges, F. R. Baden Powell, R. Bridges.

The Assessor states that many fine schemes were submitted and that the prize-winners were selected for their competence in design and economy and for their adventurous spirit.

Mr. Miall Rhys-Davies (left), Mrs. M. E. L. Granelli and Mr. Remo Granelli

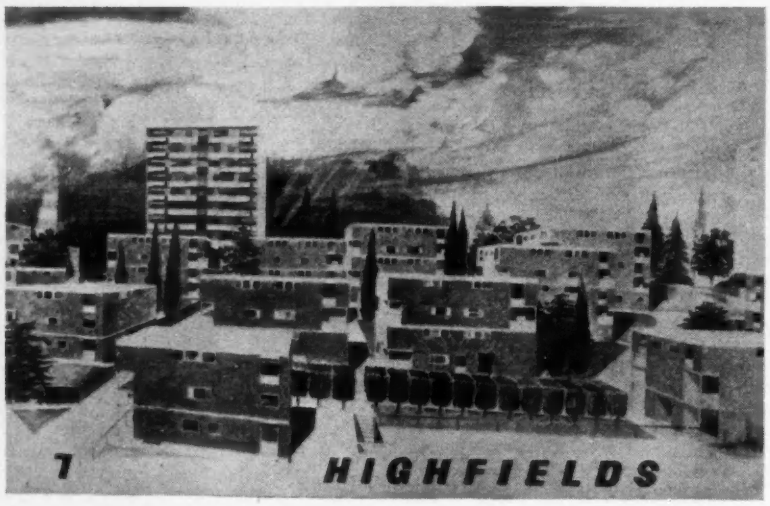
Winners Report

THE DESIGN ADVOCATED a philosophy of life associated in most minds with suburban living and we have attempted to capture its qualities of universal appeal without prejudice to the urban scene. In this context the recognition of the individual is paramount, and we advocate groups or units of family scale in easy association with their foregrounds, suggesting responsibilities for both land and structure.

The site is patterned with hedged and walled enclosures, from which trees and buildings rise protectively, where children can play in safety and their elders relax. These garden squares are semi-public and half-urban, and the main town footpaths link them to each other and the freely landscaped park on the crest of the site. The sense of enclosure is sometimes heightened by linking some of the blocks with covered balcony extensions.

The elements of the landscaping are intentionally artificial, subordinate but sympathetic to the architecture and are an extension of the discipline of this form of development over the rural scene.

It is proposed that the garages be centralised and compact, with space for maintenance, cleaning and storage, whilst casual angled parking would be permitted on the service roads. A plea is made for a supervisor's flat (XXIX) to the garage area, where stocks and equipment would be sold or exchanged, and which could, by extension, be made financially attractive to the authority.



Perspective, winning design

Highfields Development Competition, Halesowen

REPORT OF THE ASSESSOR, MR. ERIC LYONS, OBE, FRIBA

THE WINNING DESIGN is based upon a simple idea and has been presented with great clarity. The accommodation is provided in a series of 3-, 4-, 5- and 10-storey 'point' blocks. These elegant rectangular blocks are distributed over the site with engaging informality. The placing of the buildings has obviously been carefully studied, and I am impressed by the subtlety with which the scheme has been created. Broad footpaths descend between the buildings and between the walled or hedged garden squares. Externally, the buildings are delicately handled and modelled with great sensitivity. The integration of the landscape and buildings has been achieved on an urban scale, and the whole complex should produce a most satisfying living environment.

The organisation of the site has been made possible by the skilful planning of the actual blocks. The 3-storey blocks have a central staircase serving three maisonettes on the upper floors, with flats on the ground floor. The 4-storey blocks have a similar staircase serving four super-imposed maisonettes, with a flat to fill up over the entrance and stores; the 5-storey blocks are similar but with lower ground floor of flats on one half of the block. The 10-storey blocks have four flats per floor served by twin stairs and lift, and stores are situated in lower ground floor. The avoidance of out-buildings, by placing all stores within the buildings, was an important decision, as can be seen from the uncluttered layout. Another significant point is the placing of all living rooms on the corners of the blocks so that their windows are adjustable to the aspect, and to avoid overlooking nearby blocks.

There are some criticisms to be made. The siting of Block II on the boundary may not be acceptable but there is ample room to move it. I am not convinced about the competitor's plea for a supervisor's flat connected with the entrance to the garages; indeed I suggest that the idea of a single access off the 'square' be re-examined with a view to providing two accesses, one at each end of the garage enclosure. One minor point is that the car-parking strips should be stopped before the ends of the cul-de-sac roads to ensure adequate turning spaces. For no reason that I can see, in the F.3 type flats, the partition between the bedrooms has been placed to give equal-sized bedrooms of 125 sq. ft.; the adjustment can easily be made to conform to the Ministry standards. A similar adjustment can be made in the position of the partition between kitchen and living room, in the same flat. All these points are but slight blemishes on this overwhelmingly satisfactory scheme; they can be removed in the normal course of detailed study and development.

The scheme provides the following accommodation (disregarding Block XXIX, the suggested supervisor's flat).

3 BR. Maisonettes, M.4	126
2 BR. Flats, F.3	71
1 BR. Flats, F.2	54
Total no. of dwellings	251

The competitor's estimate of cost is £569,809.

For the purposes of the Competition, I have disregarded the provisions made by the competitor for Supervisor's Flat, Moped Stores, extra garage facilities and sculpture and play equipment.

Second Premium. Design No. 26
[*Andrew Radwan, J. Warren Chalk, Ronald Herron.*]

By a subtle and original assembly of nicely planned flats, a fascinating complex has been created which I think is a real architectural achievement. This 'side by side' assembly of maisonettes and flats along central walkways is most skilfully handled. The placing of the garages between the blocks is a bold idea, but this arrangement would have disadvantages from the noise point of view. Some of the banked sides to the garages come too close to ground-floor flats. The access ways might become squalid and would have been more acceptable if they had a greater width and better finishes. Altogether this is a stimulating scheme of great originality.

Third Premium. Design No. 29
[*Michael J. Smith, Jeremy A. T. Goer.*]

This is of somewhat orthodox modern design using a most skilful layout of 3 tower blocks combined with 4-storey maisonette blocks and 2-storey terrace houses. The relationships of the various buildings and the confident separation of vehicular from pedestrian accesses are all part of a clear idea of 'landscape' but there is a shortage of car-parking. The type plans are sound and fulfil the requirements.

Commended. Design No. 15
[*Edward H. Hartry, Roman Halter.*]

This scheme is produced from a good idea of blocks with a jagged 'spiral' of flats around a central staircase. Most of the flats have a good shape but as the living rooms are embedded in the core of the block, some rooms would be gloomy. The detailed layout sheet shows the competitors' nice handling of the landscape but the overall effect on the site would fail because of the difficulty of identifying one's position; the blocks are too evenly distributed and the spaces too similar.

Commended. Design No. 18
[*David Dry, Katharina Halasz.*]

This is an attractive and sensitively presented scheme consisting of a terrace of 4- and 5-storey maisonettes along the west boundary at the top of the site, contrasting with an interesting complex of 'patio' houses going down the hill to Queensway; this is set off most effectively by a 10-storey block on the north boundary. Most of the site is restricted to pedestrian access. The Park (on the west) is still separated by a road, apart from a tunnel under the road. Although the layout and landscape are thoughtfully considered and the buildings externally well designed, there are short-comings in the assembly of the flats within the blocks, such as bedrooms being passed by balcony access ways. The patio houses are attractive units, but where the plans are 'mirrored,' the living-room windows look on to very small enclosed areas.

Commended. Design No. 21
[*J. Bruges, F. R. Baden Powell.*]

This idea of three cluster-groups is a bold concept, but there is no clear idea of the competitors' intention for landscape design. Some of the flat plans are admirable but some of the 3-bedroom flats fail because one bedroom is only accessible across the living room. Some of the bedrooms to ground-floor flats would be noisy and overlooked by the access paths approaching the entrances to the blocks. Indeed, noise might be the main disadvantage to this scheme, because the internal 'area' in each cluster is entirely lined by hard materials. The whole idea is an interesting one.

Other Designs

Too many competitors have failed to think about the *users* of the dwellings

and have produced errors of planning such as: kitchens and living/dining rooms separated by long corridors between extreme ends of flats; bedrooms to flats facing on to access balconies; bedrooms having access to bathroom only across living room (this may be just tolerable in 1-bed dwellings). Some competitors have been dazzled by the possibilities of 'mezzanine planning' for this sloping site and produced over-ingenious split-level sections regardless of costs. On the layouts, the principal failures were: lack of unity of concept; inadequate solutions for service access to buildings, and car-parking and pedestrian access; no indication of intentions for land-scaping; garages and stores inconveniently sited or untidy. Some competitors were only able to solve the access problem by excessive roadworks which fragmented the site and surrounded the buildings with tarmac and concrete. Some competitors' reports were reticent about their *basic ideas*, and even information about external materials and colour was not given, although elaborate details may be mentioned on routine matters. In a competition where dwelling and room sizes are obviously important, the assessment was not made easier by the failure of some competitors to indicate these areas.

I would like to comment on some particular designs which I considered to be of interest.

Design No. 1
[*Grahame Herbert.*]
This train-crash type of layout has its interest, but no parking, and children's play area on traffic island! Complicated split-level sections with wasteful voids in centre.

Design No. 2
[*G. D. Baker, D. C. W. Vane.*]
Although the layout is effectively put together, there is inconsistency between various types of buildings—houses out of sympathy with flats. The flat-planning attempts to escape from routine solutions but combined living-kitchen-dining room has disadvantages; flats in point block squeezed badly to fulfil 'elevational' idea.

Design No. 12
[*Cynthia Wood.*]
This competitor must be complimented on producing some original and most satisfactory type plans with dual circulation through kitchens and living roms. Not sustained in the architecture and layout.

Design No. 22
[*Charlotte Baden Powell, Francis Baden Powell.*]
Compact flat plans producing simple blocks but in effect, access galleries alongside so many bedrooms. Another train-type layout (crash just avoided?), seems flippantly conceived.

Design No. 24
[*Leonard J. Multon & Ptrs.*]
Good shaped layout but doubts whether central junction solved by upper platform—also toddlers' playground on upper terrace and old people near the cemetery; living rooms looking into 12 ft. x 12 ft. courts—these ideas do seem perverse.

Design No. 25
[*Dennis Charles Catt, P. R. V. Hammond.*]
Strong idea in layout with elevated road through site. The block clusters are effective but difficult to serve. High costs of layout not justified on site surrounded by roads.

Design No. 28
[*Peter Phippen, Reg. Harris, Graham Witton.*]
A most complicated arrangement based on a simple idea. Unit planning sound, but it seems that complications took charge. Enormous hard areas between the fragmented buildings — complicated structure and wasteful, would be very costly.

Design No. 30
[*Raymond D. Story, Alfred A. Cutts, Charles A. Valentine.*]
Has many interesting features but mezzanine system is complicated and not adequately explained — perhaps through lack of development. Too violent a contrast between the two types of building forms used.

Design No. 31
[*H. Werner Rosenthal, R. G. Franklin.*]
There is positive idea in the layout but the curved blocks seem an unnecessary complication and the drawings do not show whether the dwelling plans would work on the curve.

Design No. 32
[*K. Cattell, D. W. Billingsley.*]
The individual buildings are delicately designed and carefully planned and all the drawings are beautifully drawn. I think that the layout is unsatisfactory due to the lack of resolution in the relationships of the blocks. The landscaping looks good and the design of the garage blocks makes good use of the slope, but there appear to be no car-parking.

Design No. 36
[*George Subiotto.*]
Bold and cleverly modelled blocks but a lot of room sizes and shapes not satisfactory. Original architecture but layout not really resolved.

Design No. 41
[*Michael James Jepson, Ella Jepson, Maurice J. Walton.*]
This is a most competent scheme, disciplined to contour planning and the site levels have been exploited well with upper parts of 4- and 5-storey buildings reached by ramped walkways. The design suffers from an evenness of fenestration which on the long façades might be intimidating, and the long rows of garages under the buildings are very exposed.

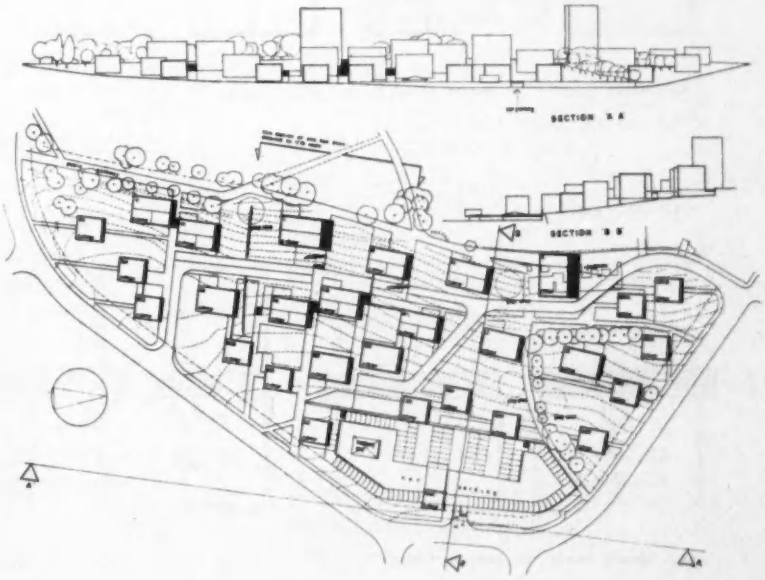
Design No. 42
[*Christian Hamp.*]
Thoughtful and well - documented scheme 'scenically' considered but garages terribly exposed to gardens. Flat planning is ingenious but expensive.

Design No. 43
[*James B. Kennedy, Donald Bain, Joseph B. Fitzgerald, Robert R. Black.*]
The atmosphere is admirable with interesting architecture. Planning ingenious but access slots in square blocks are one of the unsatisfactory aspects. Cost estimates very low.

I hope that these brief comments on the various schemes will not be misunderstood. I liked many aspects of the schemes but I have not listed *all* their good points; neither have I attempted to set out all of what I consider to be their shortcomings. Such brief summaries cannot do justice to the many hours of work.

I could also comment on the other designs but this report is already overlong. I can say that there were only a few designs that did not immediately interest me and even these have been studied, checked and analysed, so that I should avoid overlooking any good things.

Site plan and sections, winning design

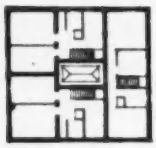


Halesowen Competition, Design Placed First (No. 17)

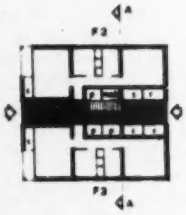
MARY E. L. GRANELLI, MIALL RHYS-DAVIES, REMO GRANELLI, architects

SITE SECTION AA

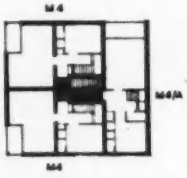
SECTION 'A A'



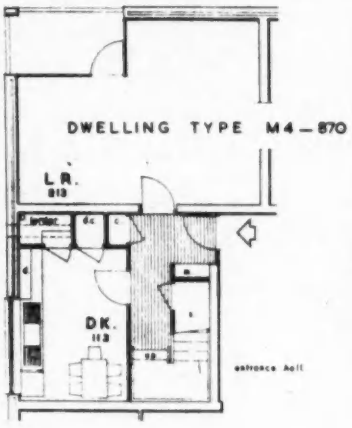
SECOND FLOOR PLAN

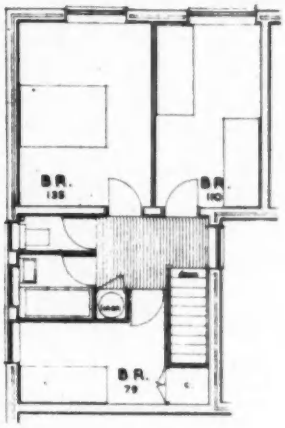


GROUND FLOOR PLAN

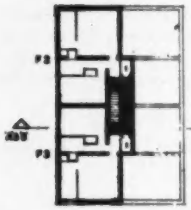


FIRST FLOOR PLAN

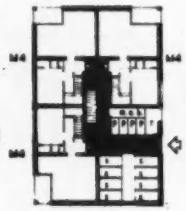




THREE STOREY BLOCK



LOWER GROUND FLOOR



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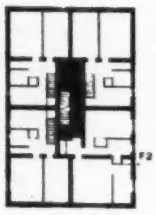
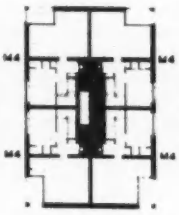
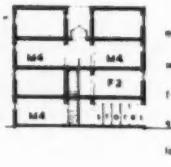


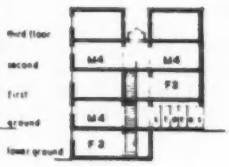
FIRST FLOOR



SECOND FLOOR



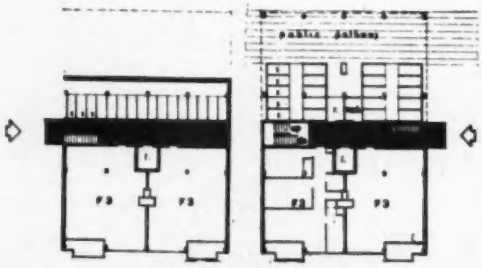
SECTION 'A-A' 4 STOREYS



SECTION 'B-B' 5 STOREYS

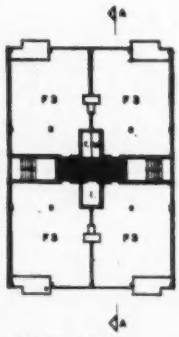
FOUR AND FIVE STOREY BLOCKS

TEN STOREY BLOCKS

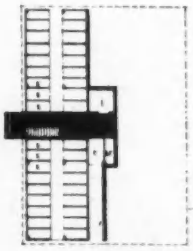


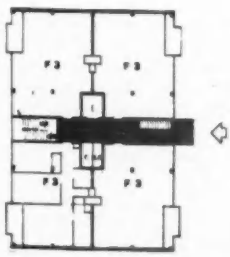
BLOCK II

LOWER GROUND FLOOR GROUND FLOOR



TYPICAL FLOOR

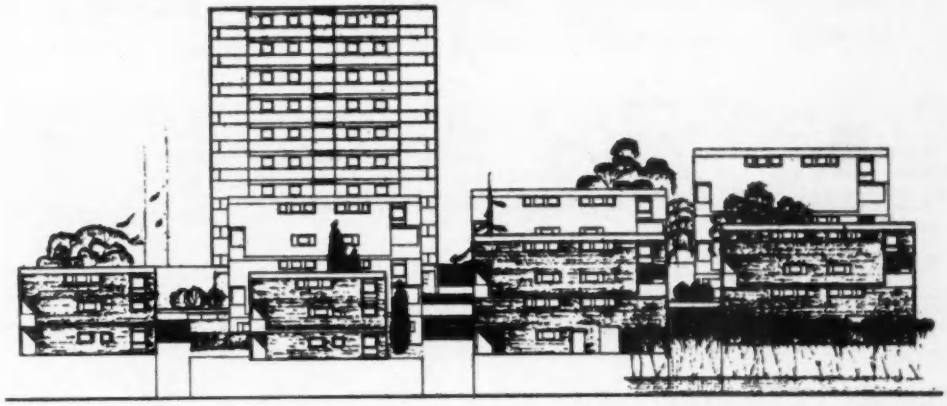




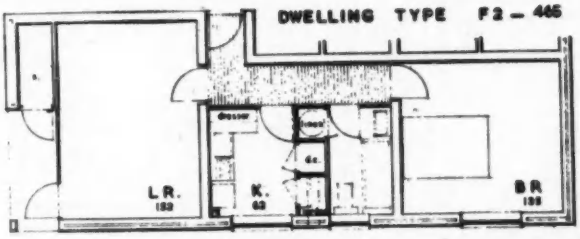
BLOCK I

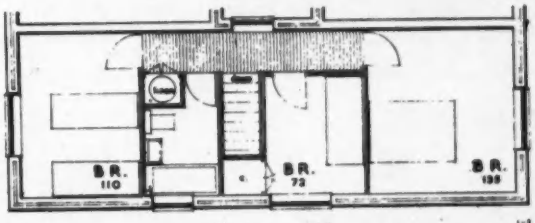
LOWER GROUND FLOOR GROUND FLOOR

SITE SECTION



DWELLING TYPE F2 – 465





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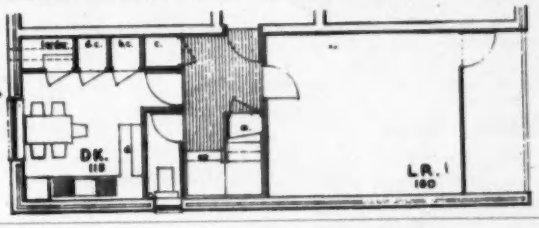

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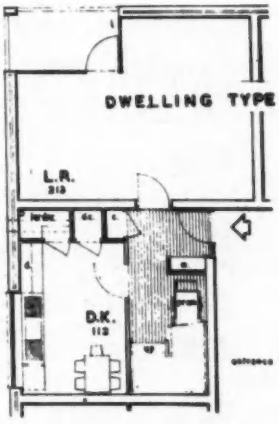

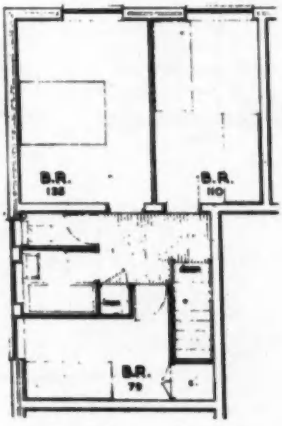

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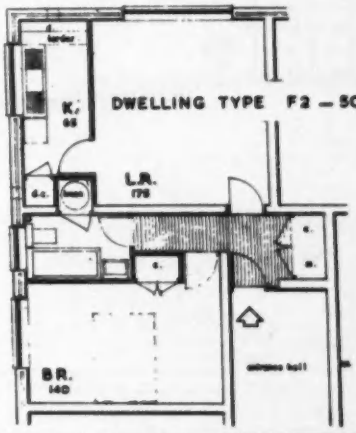
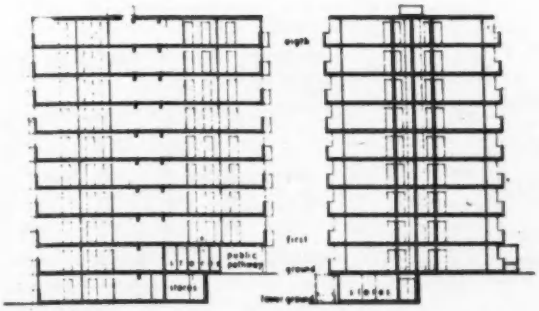
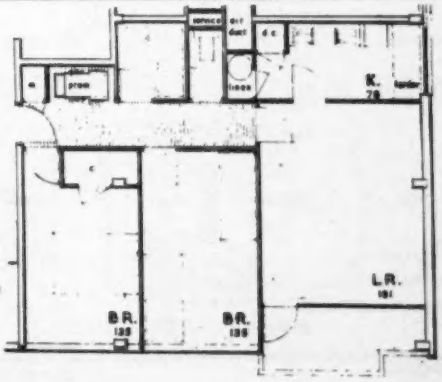




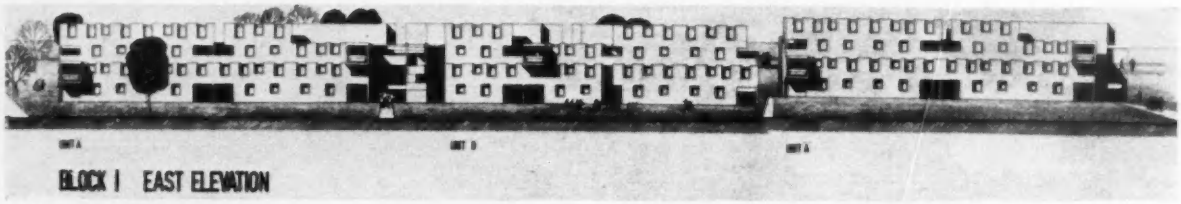
SECTION A A SECTION B B

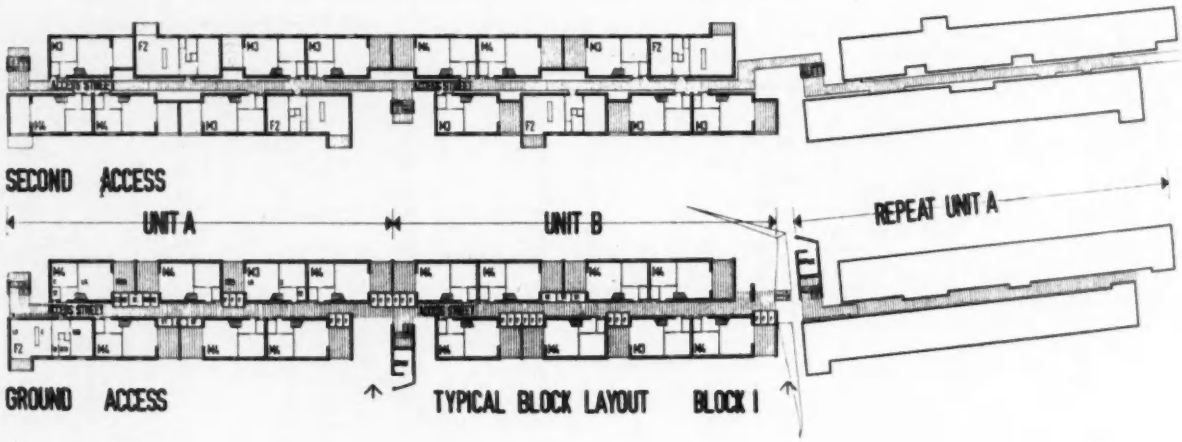
DWELLING TYPE F3 – 700

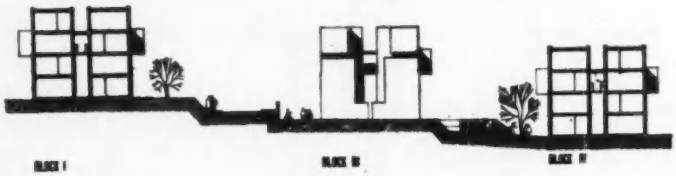


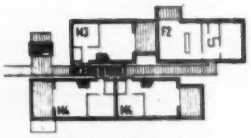
Halesowen Competition, Design Placed Second (No. 26)

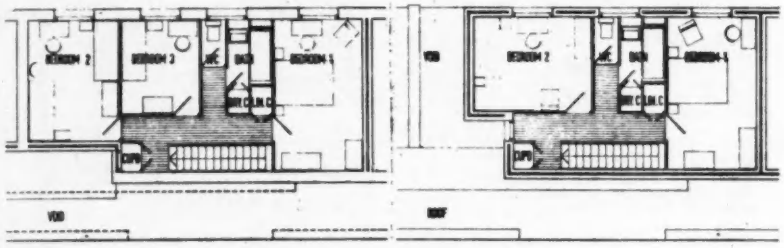
Submitted by: ANDREW RADWAN, J. WARREN CHALK, RONALD HERRON

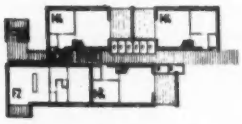












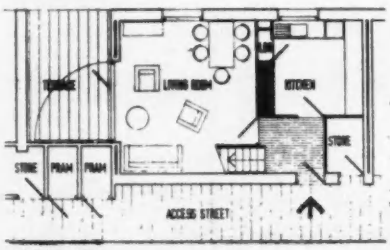
UPPER FLOOR PLAN

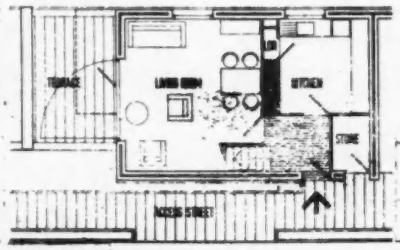
UPPER FLOOR PLAN

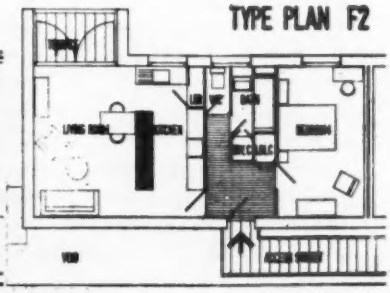
TYPE PLAN M4

TYPE PLAN M3

TYPE PLAN F2







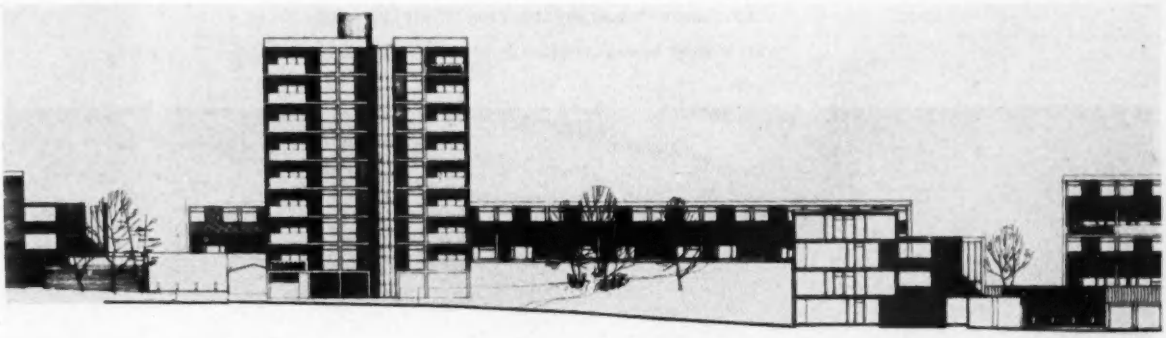
LOWER FLOOR PLAN

LOWER FLOOR PLAN

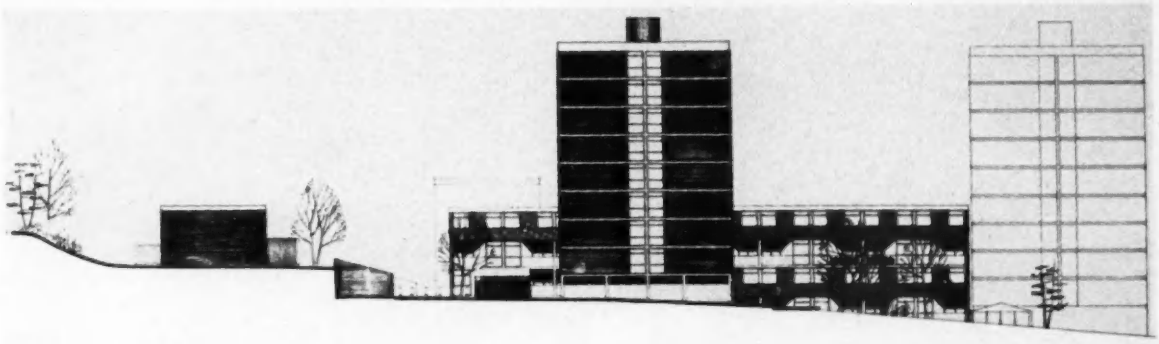
FLOOR PLAN

Halesowen Competition, Design Placed Third (No. 29)

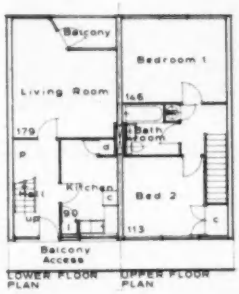
Submitted by: MICHAEL J. SMITH, JEREMY A. T. GOER



LONGITUDINAL SITE SECTION

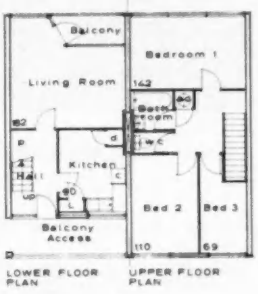


CROSS SECTION THRO SITE



LOWER FLOOR PLAN UPPER FLOOR PLAN

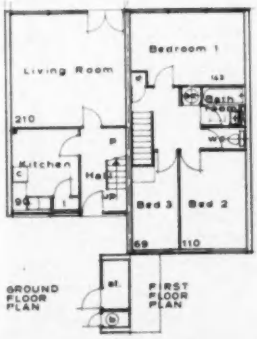
M3



LOWER FLOOR PLAN UPPER FLOOR PLAN

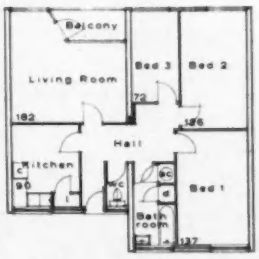
M4

H4

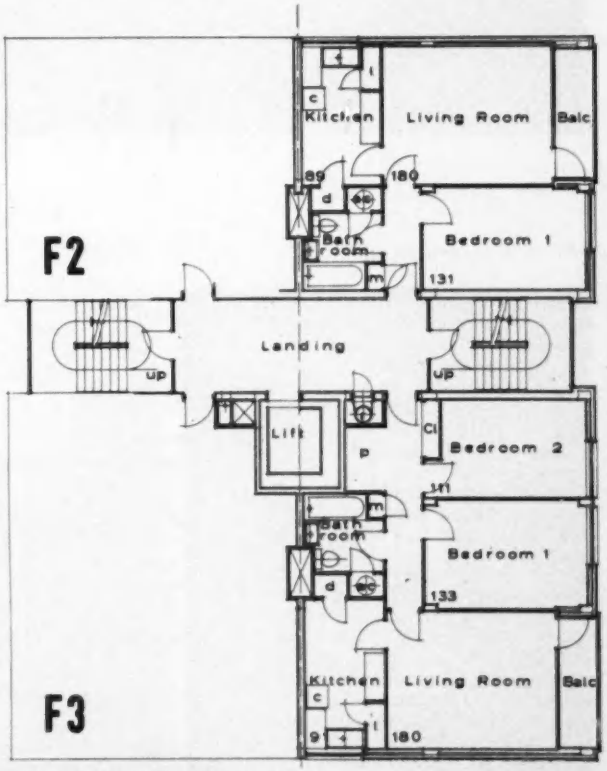


GROUND FLOOR PLAN FIRST FLOOR PLAN

F4



GROUND FLOOR PLAN



TYPICAL PLAN - FLOORS 1-8

Cambridge School of Architecture

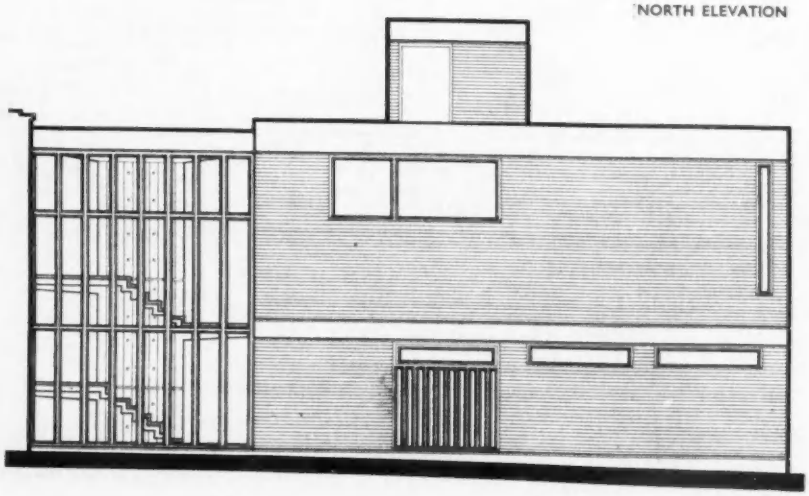
COLIN ST. JOHN WILSON, MA, ARIBA, architect, with
ALEX HARDY, MA (CANTAB), BARCH, DIPTP, AMTPI
FELIX SAMUELY & PTRS., structural engineers

The lecture room at first floor level

THIS EXTENSION to the School of Architecture, Cambridge University, consisting of special purpose rooms, was carried out as a live architectural programme by the students and staff. The principal accommodation consists of a lecture room, design criticism room, student common room, and staff rooms.

The erection of this building therefore provided a necessary increase in the existing accommodation, and permitted the students to participate in a practical exercise related to their curriculum in two ways. First, there was the direct participation of third year students during the summer of 1957 when the possibilities were first explored as a design project and site survey by the whole class. On the basis of these projects certain modifications were made to the programme of requirements, e.g. criticism room introduced in lieu of

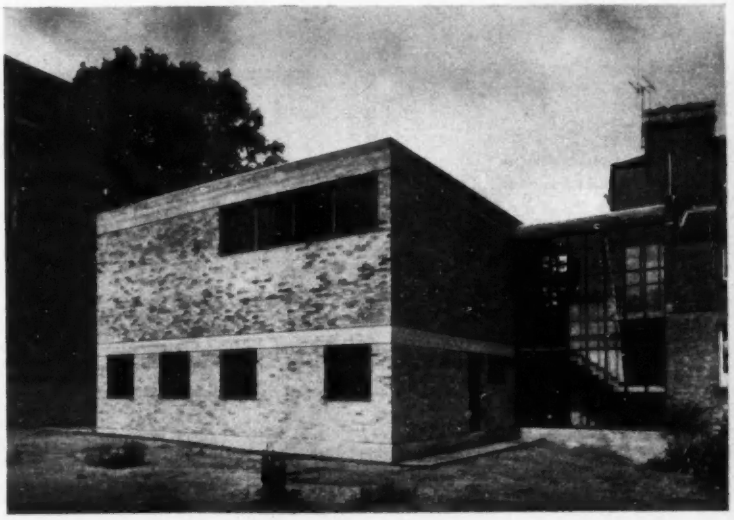
NORTH ELEVATION



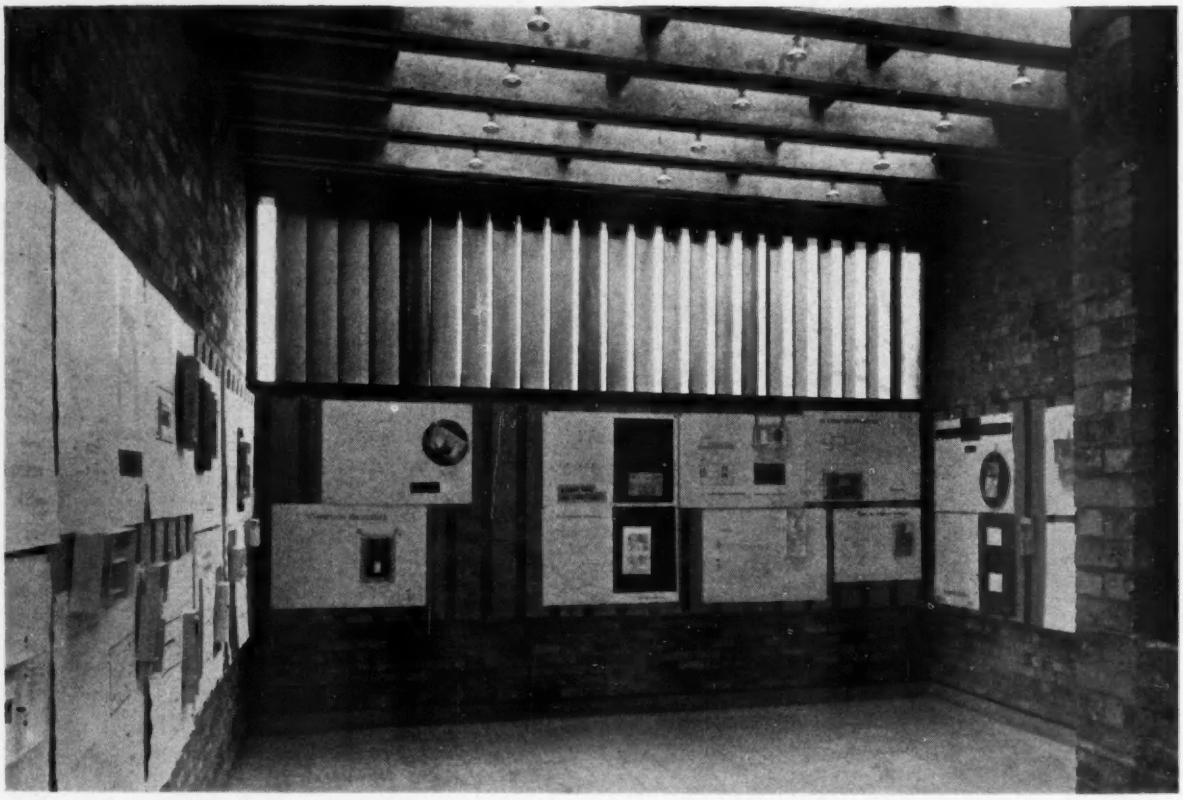
DAVIS, BELFIELD & EVEREST, quantity surveyors
WEATHERFOIL HEATING SYSTEMS LTD., heating and ventilating consultants
COULSON & SON LTD., general contractors

Lower level of the ground-floor common room

South elevation and glazed access link (by permission of *'Architectural Design'*)



Glazed wall of staircase

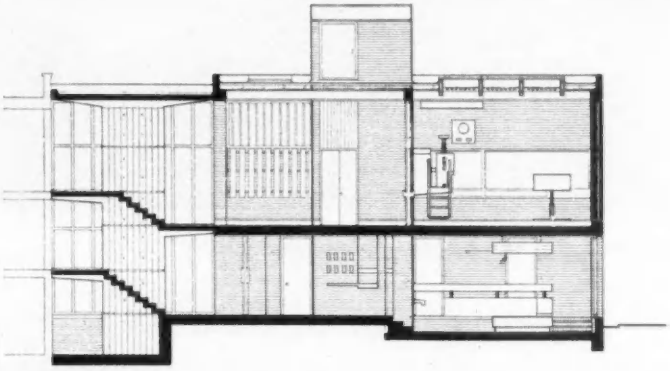


Criticism room at first floor

materials store. Two members of the staff were appointed as executive architects with a small turnover of students, varying from 3 to 5, acting as assistants during the summer vacation. Second, technical aspects of the design and office procedure have been used as exemplars for lectures and it is hoped that the documentation of these (daylighting studies, heating and ventilation, dimensional co-ordination, preparation of bill of quantities, writing of specification, contract procedure) will serve a similar purpose for subsequent groups of students.

Within the sum of money allocated the permissible cost per sq. ft. was approximately 80s. It was therefore decided to make the building into a study of 'traditional' building materials. It is hoped that the next project will take the form of an 'artificial sky' dome and will be carried out as a study in the assembly of pre-formed aluminium and plastic units.

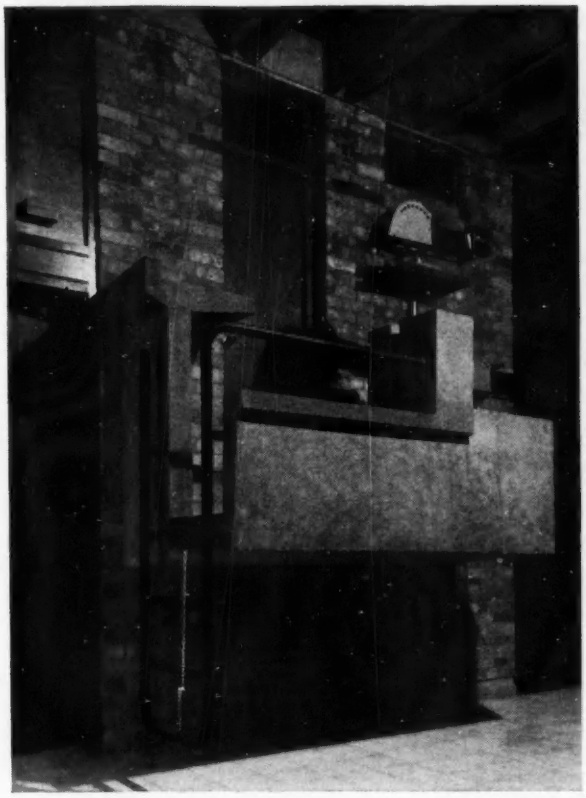
Visiting lecturers to the school acted as consultants, Mr. Frank Newby of Felix Samuely & Ptrs., as structural engineer, and Mr. Peter Mill of Davis, Belfield & Everest, as quantity surveyor. The contract cost was £12,000.

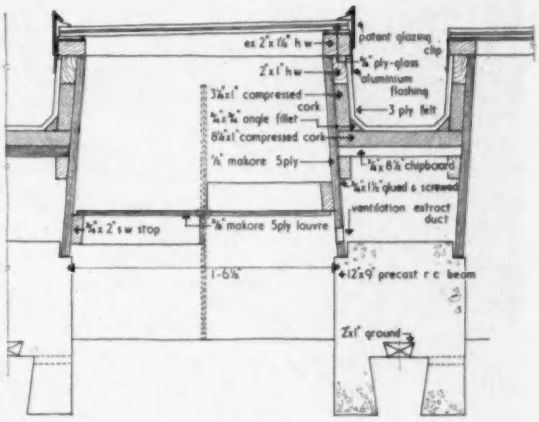


LONG SECTION

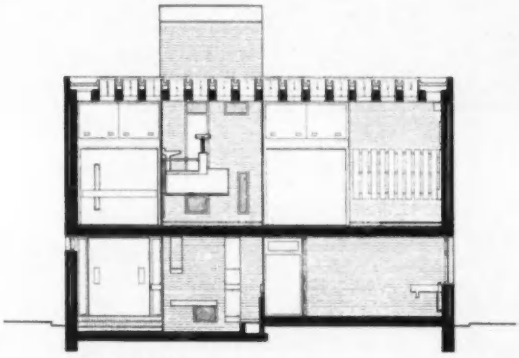
Ground Floor Key: 1 staff rooms, 2 common room, 3 store, 4 coats, 5 heating, 6 telephone, 7 mail, 8 building science store.

Cambridge School of Architecture

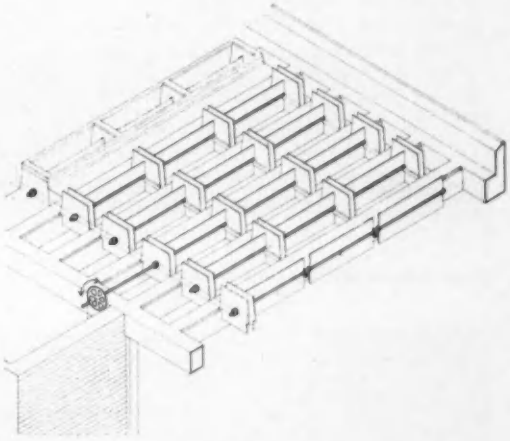


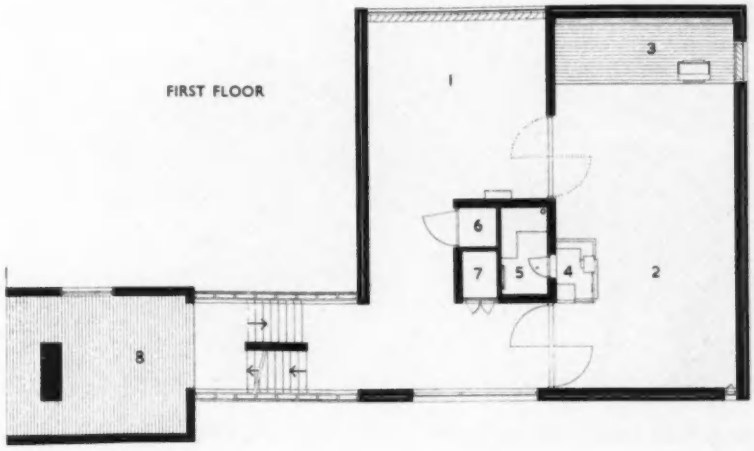


Above, detail of the rotating louvre system between roof members for controlling natural light. Scale: 1 in. to 1 ft. Below, isometric projection. Left, cinema projection 'pulpit' in the lecture room



CROSS SECTION

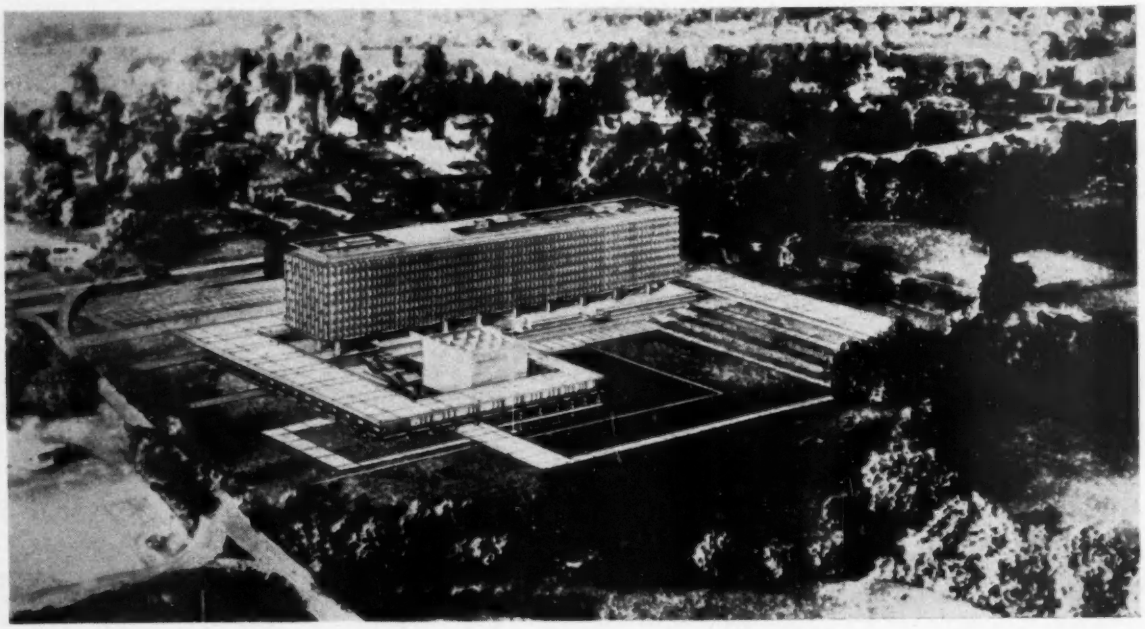




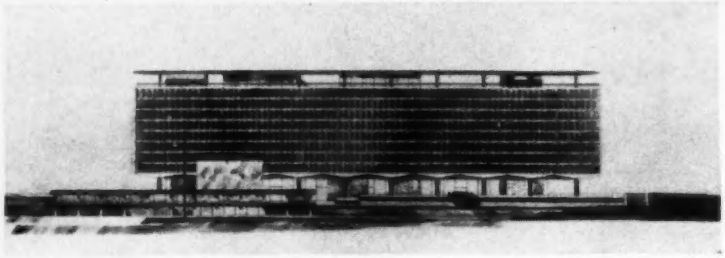
Main Sub-Contractors:

Heating installation: Weatherfoil Heating Systems Ltd.; *electrical installation:* Eastern Electricity Board; *special electrical control equipment:* Igranic Electric Co. Ltd.; *mechanical equipment & metalwork:* George Lister & Sons Ltd.

First Floor Key: 1 criticism room, 2 lecture room, 3 platform, 4 projection pulpit, 5 rewind room, 6 chair store, 7 screen store, 8 gallery in access link.



Winning Design: Jean Tschumi (Lausanne)

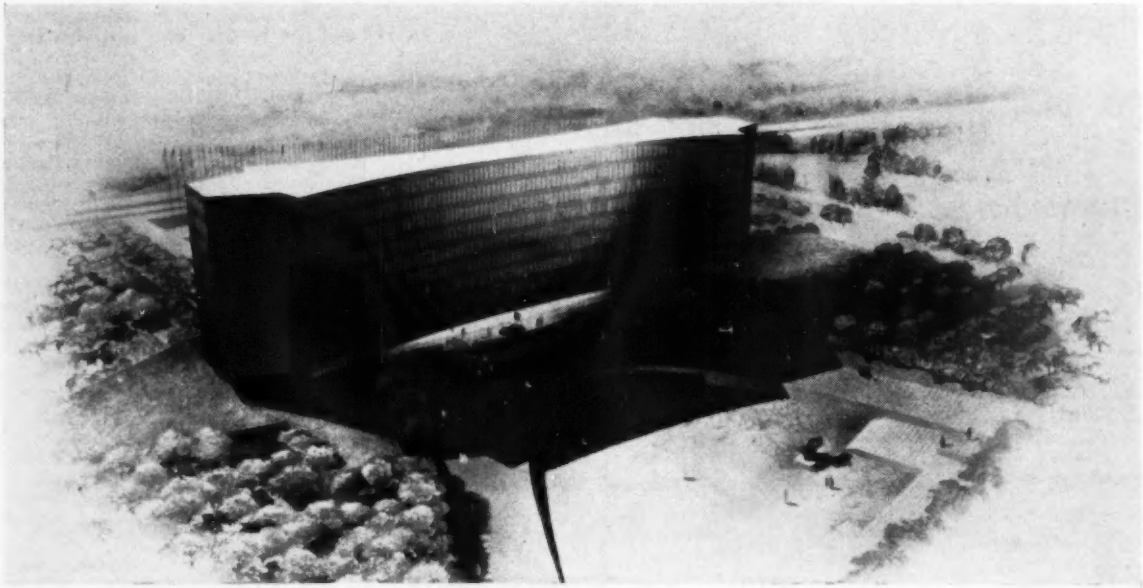


South (principal) elevation of winning design

Competition

Headquarters for the World Health Organisation, Geneva

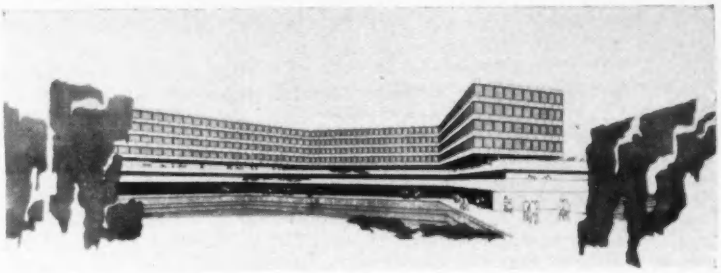
ASSESSORS:
S. V. MARKELIUS, GIO PONTI, SIR HOWARD ROBERTSON, PIERRE VAGO, WITH THREE LAY MEMBERS



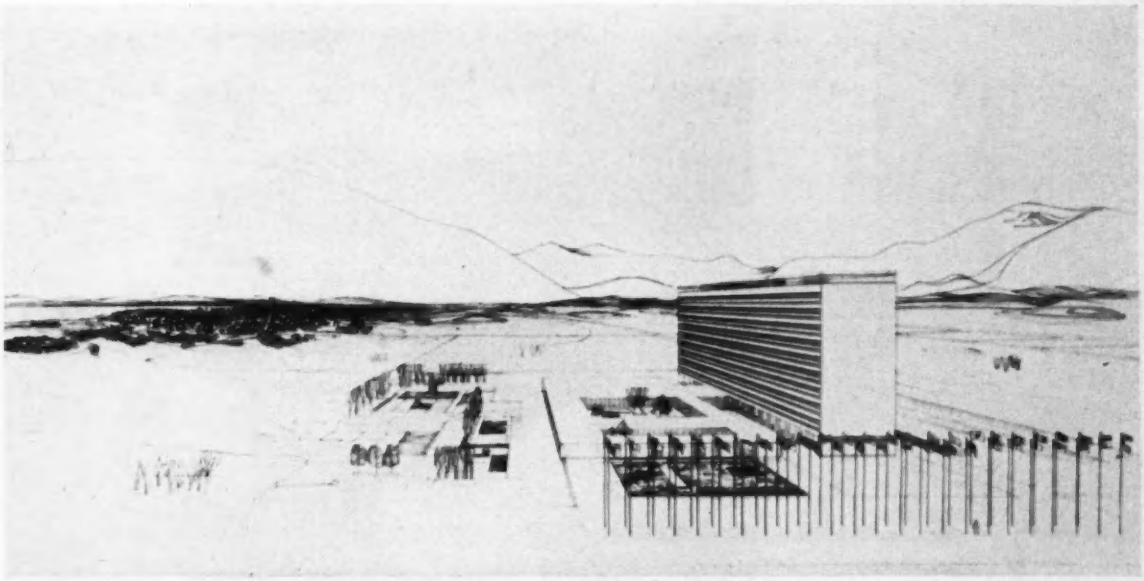
Design placed second: perspective from south: by Eero Saarinen (USA)

THE seven assessors in the architectural competition limited by invitation to 15 architects, or firms of architects, for new headquarters in Geneva for the World Health Organisation have now made their award. They place first the design by Jean Tschumi, of Lausanne; second, that by Eero Saarinen (USA); and third, J. Dubuisson (France). The design by Viljo Revell and Company (Finland) receives hon. mention. The assessors' report is not yet available, but it is known that the total estimated cost, including furnishing and fees, is reckoned not to exceed 40m. Swiss francs (about £3,330,000). The winning design is now illustrated, also those placed second and third (which attract prizes of approximately £2,000 and £1,250 respectively). The commended design is by Mr. Viljo Revell and his associates, who won the competition for Sydney Opera House. The 11 other competing firms were: Yorke, Rosenberg & Mardall (London); Bernasconi, Fiocci & Nizzoli (Milan); Van den Broek & Bakema (Rotterdam); G. Gradov (Moscow); Haefeli, Moser & Steiger (Zurich); Hentrich & Petschnigg (Dusseldorf); Arne Jacobsen (Klampenborg, Denmark); Raymond Lopez (Paris); A. E. Reidy (Rio de Janeiro); Hugh Stubbins (USA); and Kenzo Tange (Tokyo).

The assessors were Mr. Sven Markelius (Stockholm); Mr. Gio Ponti (Italy); Sir Howard Robertson (England); Mr. Pierre Vago (Secretary-General of the International Union of Architects); the Chairman of the Executive Board of the World Health Organisation; the Head of the Public Works Department of the Canton of Geneva; and the Director-General of the World Health Organisation (Dr. Candau).



Hon. Mention Design: by Viljo Revell & Co. (Finland)



Design placed third: principal elevation: by J. Dubuisson (Paris)

Competition News

Extension to Midlothian County Buildings

FROM THE TEN DESIGNS received in the competition, limited to architects practising in Scotland, for an extension to Midlothian County Buildings on a site fronting the Lawnmarket, Edinburgh, the assessor, Mr. J. Wilson Paterson, CVO, FRIAS, has made the following award:

1st (premium 750 gns): G. Reid, FRIBA, FRIAS, and J. S. Forbes, FRIAS, 116 Hanover-street, Edinburgh.

2nd (premium 500 gns): D. H. Macpherson, ARIBA, ARIAS, 11 Park-circus, Glasgow, C3.

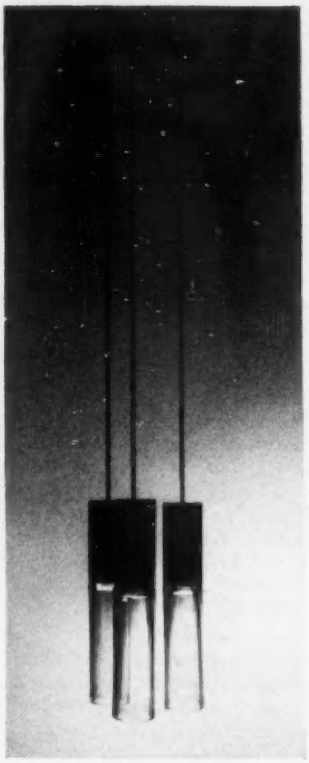
3rd (premium 350 gns): Albert D. Cordiner, FRIBA, 2 Woodlands-terrace, Glasgow, C3.

The extension, to be built on a site fronting the Lawnmarket and Melbourne-place opposite the present county buildings, will concentrate all departments at George IV bridge. Conditions required the external appearance of the block to harmonise in materials, colour, height and architectural style with the adjoining properties. The Royal Fine Art Commission for Scotland are to be consulted on the plans.

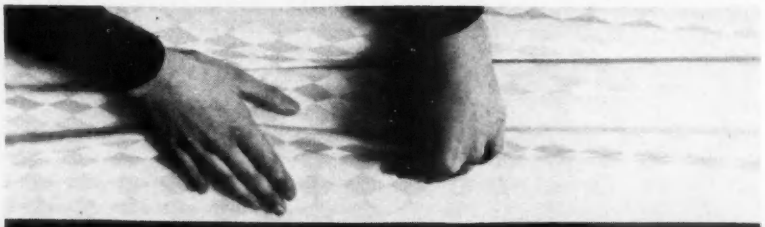
The winners' designs show that the Scottish character of the Lawnmarket has been retained; here main elevations will have Doddington or Swinton stone quoins and old rubble redressed. Other frontages will have Blaxter stone veneer dressings with marble or granite trim.

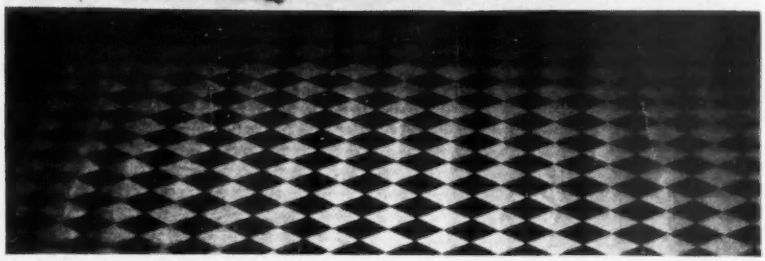
The designs will be on view at the County Buildings from May 24 to May 30.

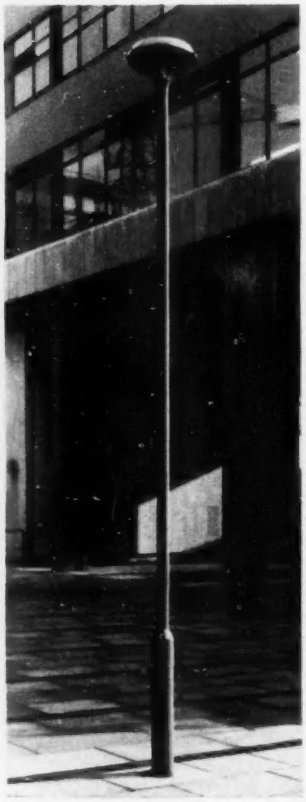
Design Centre Awards, 1960



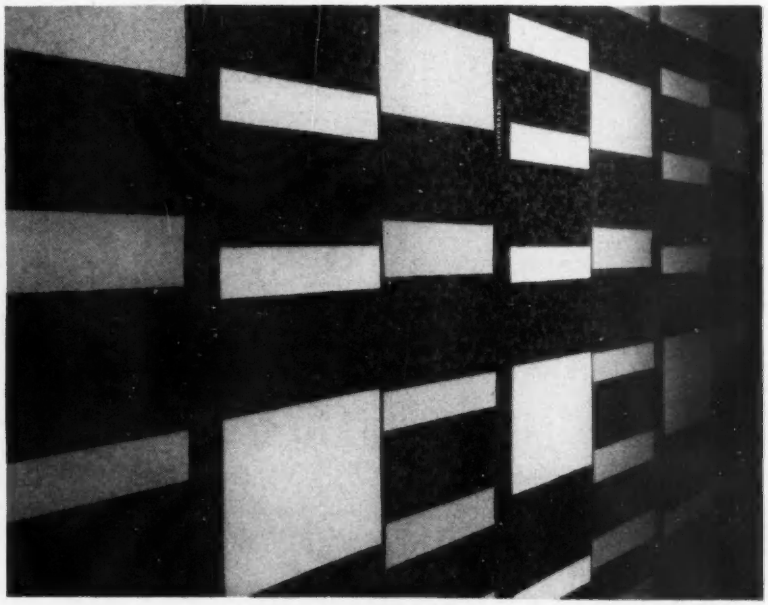
HRH THE DUKE OF EDINBURGH presented certificates at the Design Centre yesterday to 18 manufacturers whose products were selected for the 1960 Design Centre Awards. The Duke of Edinburgh Prize for Elegant Design, 1960, was also awarded jointly to Neal French, DesRCA, and David White, for designing the Spode 'Apollo' range of tableware, manufactured by W. T. Copeland & Sons Ltd., and the prize was presented to last year's winner, Mr. C. W. F. Longman, for his design of the Prestcold 'Packaway' refrigerator. As in previous years, the panel of judges were asked to choose designs from any of those shown in The Design Centre during 1959, which, to their minds, are outstanding for originality, workmanship, economy, or some other quality which makes a real contribution in their industries. The Design Centre Awards will be on show in the Centre from May 19 to June 25.







A selection of 1960, Design Centre Awards. Top left, 'Chelsea' decorative light fitting designed by Richard Stevens, BSc, MSIA, DipMIES, and Peter Rodd, and manufactured by Atlas Lighting Ltd. Bottom left, street lighting column and lantern designed by Richard Stevens, BSc, MSIA, DipMIES, and made by Abacus Engineering Ltd. for Atlas Lighting Ltd. Above, 'Vynide' coated fabric for mural application made by ICI (Hyde) Ltd. and designed by the Company's design department led by F. J. Hoswell, DesRCA. Below, 'Pannus' wallpaper designed by Humphrey Spender, ARIBA, FSIA, and made by The Wallpaper Manufacturers Ltd.



News of the Week

Assessors' Reports

OPINION IS DIVIDED, though not equally, on the question whether assessors of architectural competitions should give reasons for their decisions. In recent years, a few juries have taken the line of safety and have published nothing other than the placings; others have given their reasons which led them to their conclusions, and this without doubt is of interest and of value. In his award in the Halesowen competition (given this week) Mr. Eric Lyons has gone further and has given thumbnail 'crits' of those 'also-rans' which seemed to him to have interest or merit. This shows courage as well as industry, and the competitors will without any doubt be grateful—even if they do not all necessarily agree with the verdicts!

Order of the British Empire Chapel

DUE TO THE MISTAKE of the agency which supplied the photograph of the restored Chapel of the Order of the British Empire in St. Paul's Cathedral, illustrated in our last issue, responsibility for the design of the metalwork screens was wrongly attributed. These were the personal work of Lord Mottistone, FRIBA, Surveyor of the Fabric of the Cathedral, to whom we express our regret for the error. The painted panels on the screens and the stained glass windows were executed by Mr. Brian Thomas. The Chapel will be consecrated at a service to be held today, May 20, at which HM the Queen and other members of the Royal Family will be present.

Register of Architects, 1960

THE REGISTER OF ARCHITECTS for 1960 has now been issued by the Architects Registration Council of the United Kingdom from 68 Portland-place, W1 (price 15s.). There were 19,183 names on the register at December 31, 1959, an increase of 194 compared with the previous year. During 1959, 845 names were added to the register, 119 were restored and 768 were removed on account of death, resignations and other causes.

Police HQ and Law Courts, Brighton

BRIGHTON PLANNING COMMITTEE have approved a plan for a £835,000 building scheme in Edward-street that will provide new police headquarters and Law Courts and an underground car park for 200 cars. On the roof of the main police block provision has been made for landing light helicopters. Models are to be prepared and approval of the RFAC will be sought regarding design. The estimated cost of the police headquarters is £417,000; Law Courts £293,000 and underground car park £125,000.

LCC Private Architects' Panel

THE LONDON COUNTY COUNCIL invites architects in private practice to apply for their names to be included in a new panel from which architects will be selected to undertake the design and erection of housing schemes. Architects whose names have been included on previous panels and who wish to have them included on the new panel should make fresh application. Application forms from the Clerk of the Council (H/B/1276/5), the County Hall, London, SE1, and should be returned not later than June 13, 1960.

Town Development Committee

THE LONDON COUNTY COUNCIL'S general purposes committee has recommended the creation of a new committee for operations under the Town Development Act, 1952, and 'for taking the necessary action to obtain the necessary permissions required for development of a new town.' Previously these were duties of the housing committee.

A Service to Architects

STARTED some two years ago with the object of assisting architects in the increasingly difficult problem of keeping up-to-date with manufacturers' trade and technical literature, the Barbour Index, which operates from headquarters at 81 Charlotte-street, W1, is finding increasing favour among architects in London and the Midlands.

An architect who pays the modest annual fee will have installed in his office, as part of the service, a filing cabinet containing up-to-date technical literature supplied by a large number of the leading manufacturers of building materials and components. Every four weeks a member of the BI service staff calls and inserts new literature in the file, makes amendments to existing literature and removes out-of-date material. In addition, the BI operates a research service for architects, usually in response to a telephone call. In making inquiries, the anonymity of the architect is guaranteed.

Work for Private Architect

WHEN the health committee of Hampshire County Council was told that the amount of work to be undertaken by the technical staff of the county architect's department was such that he would not be in a position to invite tenders for the erection of a new Health Clinic at Leigh Park, Portsmouth, for at least a further six months, the committee decided to recommend the finance committee and the county council to approve expenditure of £1,325 on the fees and expenses of a private architect to complete the plans, obtain tenders, and supervise the project.

Mr. R. Lewis Reynish, FRIBA, was recommended to undertake the work. The new clinic will cost about £22,725.

'That was only the armature!'
[The LCC exhibition of open-air sculpture opened in Battersea Park yesterday.]

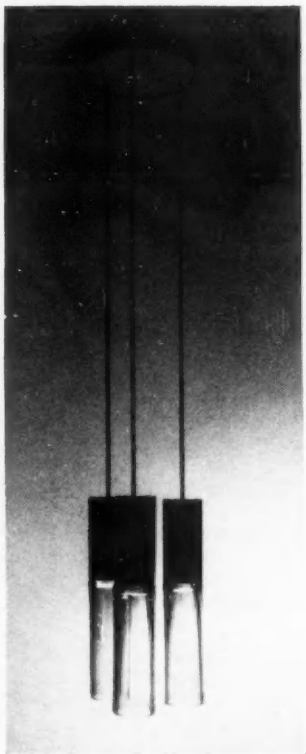
Craftsmen Potters' Shop

CRAFTSMEN POTTERS from all over Britain having banded themselves together into the Craftsmen Potters Association of Great Britain, are to open their own 'Craftsmen Potters' Shop' at 3 Lowndes-court, off Carnaby-street, London, W1 on May 30. The work of more than 100 members, each having his own pottery workshop and kiln, will be continually on show. Each will decide himself what he will show at the shop; thus it will represent the potters' own choice without intermediary influence, and will cover all the great variety of work being produced but hitherto not shown anywhere together. Selling will be wholesale as well as retail.

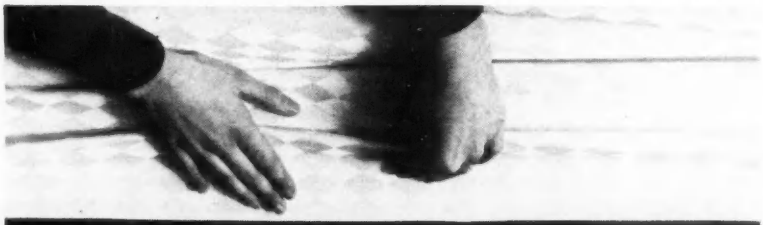
There will be an Information Service with details of each pottery, and there will frequently be potters at work, giving

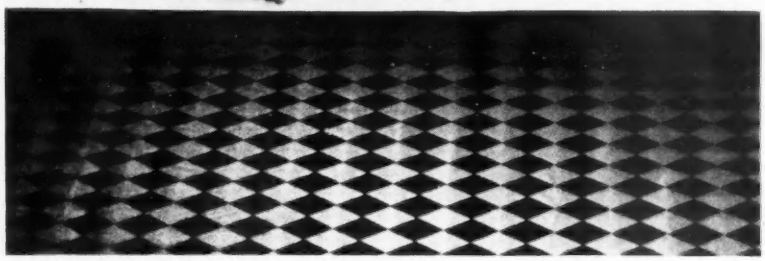
This Norwegian pine log hut, which can be assembled in two weeks by two men, will be seen at the Chelsea Flower Show, which opens on May 23. Despite its rustic appearance, it has been equipped by Allied Ironfounders Ltd. with all modern conveniences in the bathroom and kitchen. The importers are Ulstertown Ltd. The hut is designed as a weekend cottage

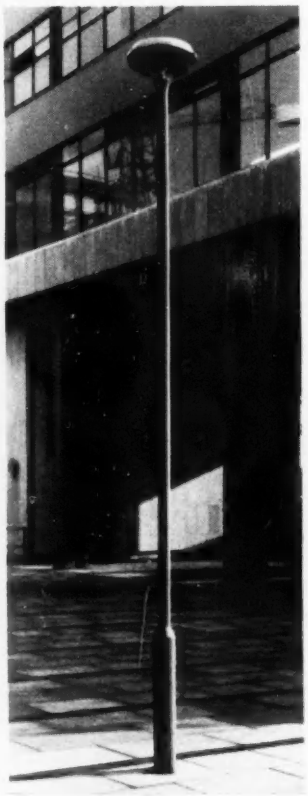
Design Centre Awards, 1960



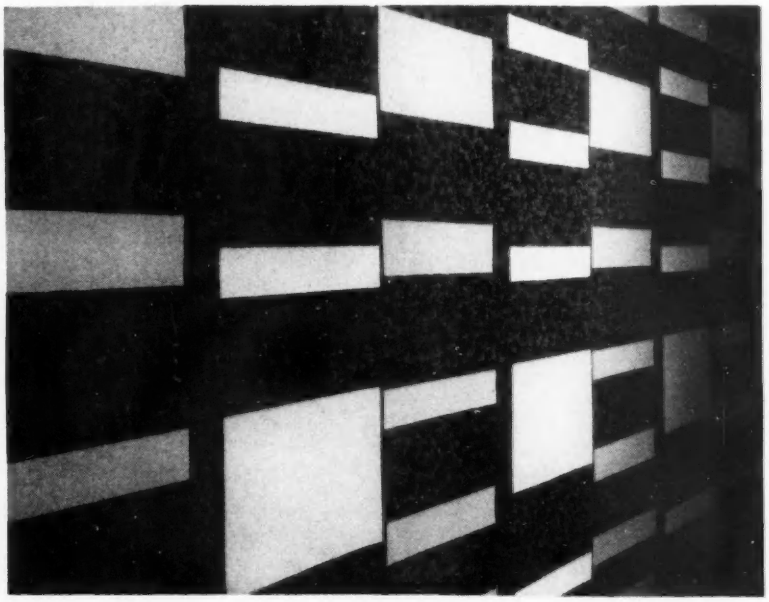
HRH THE DUKE OF EDINBURGH presented certificates at the Design Centre yesterday to 18 manufacturers whose products were selected for the 1960 Design Centre Awards. The Duke of Edinburgh Prize for Elegant Design, 1960, was also awarded jointly to Neal French, DesRCA, and David White, for designing the Spode 'Apollo' range of tableware, manufactured by W. T. Copeland & Sons Ltd., and the prize was presented to last year's winner, Mr. C. W. F. Longman, for his design of the Prestcold 'Packaway' refrigerator. As in previous years, the panel of judges were asked to choose designs from any of those shown in The Design Centre during 1959, which, to their minds, are outstanding for originality, workmanship, economy, or some other quality which makes a real contribution in their industries. The Design Centre Awards will be on show in the Centre from May 19 to June 25.







A selection of 1960, Design Centre Awards. Top left, 'Chelsea' decorative light fitting designed by Richard Stevens, BSc, MSIA, DipMIES, and Peter Rodd, and manufactured by Atlas Lighting Ltd. Bottom left, street lighting column and lantern designed by Richard Stevens, BSc, MSIA, DipMIES, and made by Abacus Engineering Ltd. for Atlas Lighting Ltd. Above, 'Vynide' coated fabric for mural application made by ICI (Hyde) Ltd. and designed by the Company's design department led by F. J. Hoswell, DesRCA. Below, 'Pannus' wallpaper designed by Humphrey Spender, ARIBA, FSIA, and made by The Wallpaper Manufacturers Ltd.



News of the Week

Assessors' Reports

OPINION IS DIVIDED, though not equally, on the question whether assessors of architectural competitions should give reasons for their decisions. In recent years, a few juries have taken the line of safety and have published nothing other than the placings; others have given their reasons which led them to their conclusions, and this without doubt is of interest and of value. In his award in the Halesowen competition (given this week) Mr. Eric Lyons has gone further and has given thumbnail 'crits' of those 'also-rans' which seemed to him to have interest or merit. This shows courage as well as industry, and the competitors will without any doubt be grateful—even if they do not all necessarily agree with the verdicts!

Order of the British Empire Chapel

DUE TO THE MISTAKE of the agency which supplied the photograph of the restored Chapel of the Order of the British Empire in St. Paul's Cathedral, illustrated in our last issue, responsibility for the design of the metalwork screens was wrongly attributed. These were the personal work of Lord Mottistone, FRIBA, Surveyor of the Fabric of the Cathedral, to whom we express our regret for the error. The painted panels on the screens and the stained glass windows were executed by Mr. Brian Thomas. The Chapel will be consecrated at a service to be held today, May 20, at which HM the Queen and other members of the Royal Family will be present.

Register of Architects, 1960

THE REGISTER OF ARCHITECTS for 1960 has now been issued by the Architects Registration Council of the United Kingdom from 68 Portland-place, W1 (price 15s.). There were 19,183 names on the register at December 31, 1959, an increase of 194 compared with the previous year. During 1959, 845 names were added to the register, 119 were restored and 768 were removed on account of death, resignations and other causes.

Police HQ and Law Courts, Brighton

BRIGHTON PLANNING COMMITTEE have approved a plan for a £835,000 building scheme in Edward-street that will provide new police headquarters and Law Courts and an underground car park for 200 cars. On the roof of the main police block provision has been made for landing light helicopters. Models are to be prepared and approval of the RFAC will be sought regarding design. The estimated cost of the police headquarters is £417,000; Law Courts £293,000 and underground car park £125,000.

LCC Private Architects' Panel

THE LONDON COUNTY COUNCIL invites architects in private practice to apply for their names to be included in a new panel from which architects will be selected to undertake the design and erection of housing schemes. Architects whose names have been included on previous panels and who wish to have them included on the new panel should make fresh application. Application forms from the Clerk of the Council (H/B/1276/5), the County Hall, London, SE1, and should be returned not later than June 13, 1960.

Town Development Committee

THE LONDON COUNTY COUNCIL'S general purposes committee has recommended the creation of a new committee for operations under the Town Development Act, 1952, and 'for taking the necessary action to obtain the necessary permissions required for development of a new town.' Previously these were duties of the housing committee.

A Service to Architects

STARTED some two years ago with the object of assisting architects in the increasingly difficult problem of keeping up-to-date with manufacturers' trade and technical literature, the Barbour Index, which operates from headquarters at 81 Charlotte-street, W1, is finding increasing favour among architects in London and the Midlands.

An architect who pays the modest annual fee will have installed in his office, as part of the service, a filing cabinet containing up-to-date technical literature supplied by a large number of the leading manufacturers of building materials and components. Every four weeks a member of the BI service staff calls and inserts new literature in the file, makes amendments to existing literature and removes out-of-date material. In addition, the BI operates a research service for architects, usually in response to a telephone call. In making inquiries, the anonymity of the architect is guaranteed.

Work for Private Architect

WHEN the health committee of Hampshire County Council was told that the amount of work to be undertaken by the technical staff of the county architect's department was such that he would not be in a position to invite tenders for the erection of a new Health Clinic at Leigh Park, Portsmouth, for at least a further six months, the committee decided to recommend the finance committee and the county council to approve expenditure of £1,325 on the fees and expenses of a private architect to complete the plans, obtain tenders, and supervise the project.

Mr. R. Lewis Reynish, FRIBA, was recommended to undertake the work. The new clinic will cost about £22,725.

'That was only the armature!'
[The LCC exhibition of open-air sculpture opened in Battersea Park yesterday.]

Craftsmen Potters' Shop

CRAFTSMEN POTTERS from all over Britain having banded themselves together into the Craftsmen Potters Association of Great Britain, are to open their own 'Craftsmen Potters' Shop' at 3 Lowndes-court, off Carnaby-street, London, W1 on May 30. The work of more than 100 members, each having his own pottery workshop and kiln, will be continually on show. Each will decide himself what he will show at the shop; thus it will represent the potters' own choice without intermediary influence, and will cover all the great variety of work being produced but hitherto not shown anywhere together. Selling will be wholesale as well as retail.

There will be an Information Service with details of each pottery, and there will frequently be potters at work, giving

This Norwegian pine log hut, which can be assembled in two weeks by two men, will be seen at the Chelsea Flower Show, which opens on May 23. Despite its rustic appearance, it has been equipped by Allied Ironfounders Ltd. with all modern conveniences in the bathroom and kitchen. The importers are Ulstertown Ltd. The hut is designed as a weekend cottage

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Paintings by Architects

Exhibits at the Royal Academy

IT IS OFTEN SAID that there is something for everyone among the hundreds of pictures at the Royal Academy's Summer Exhibition. This year there seems to be an especially varied collection, and I can promise at least that those with a keen eye for an architect's name outside the strict confines of the Architectural Room will find among the watercolours a great deal to interest them.

Sir Albert Richardson has done a masterly impression of the interior of Albi Cathedral, full of light and air. There is no attempt to describe what an architect *learns* to see—but, far more skilful, a recapturing of the first fresh vision of a beautiful thing. His 'Grand Staircase of the Opera, Paris' seethes with life and in the deceptively careless flicks of the brush I saw some of the vigour of a Van Gogh painting. Professor Richardson's two other watercolours, 'Hall of the Counts, Poitiers' and 'Foyer of the Opera,' unmistakably his, are hung on the same wall.

Sun-drenched Positano

A sun-drenched view of Positano by the late W. Curtis Green caught my eye, and a strangely exotic 'Paestum' seen as though in a dream, through a golden-green haze. I liked his peaceful 'Sussex.' How completely the mood changes between the Italian and the English landscapes! A Suffolk countryside by John Grey should not be missed. It is in Gallery VI, among several pieces of sophisticated nonsense, and has a rare nostalgic charm. In the foreground light plays delicately through a gate and a brown lane runs gently up and into the picture. Over the hill, chimney tops are the only concession to an architectural interest! Too little contrast between light and shade is perhaps inclined to flatten the picture and there is a certain drabness of colour which I have noticed in several of these watercolours. A comparison with S. R. Badmin's sparkling little work 'Flooded Meadows' illustrates my point to some extent.

It was a great pleasure to find that Robert Buhler's portrait in oils of Mr. R. C. Foster is one of few fine portraits in the exhibition. The liveliness of the face is accentuated by two plain flat surfaces of ochre background and dark jacket. There is no slick technique, but some very sensitive modelling, no stylised trick, but absolute honesty and an understanding of the subject. I do not know how good the likeness is, but the handling is firm and the artist's personality definite but unobtrusive on the canvas. The popularity, in his own time, of Holbein's intensely subjective portraits has always puzzled me.

One last look at watercolour—in the Architectural Room is a drawing by Sir Giles Gilbert Scott for the interior of his Church of St. Michael, Ashford, which, by careful use of colour is a very pleasing composition in its own right.

In this small exhibition within an exhibition, the critic, the 'gimmick' and the public are forgotten. Each of these watercolours is the result of delight—in a building, a tree, a familiar landscape, a summer day. And because it is true and unselfconscious, so that delight is easy for us to share.

SUSAN MCMORRAN

Mr. R. C. Foster, MBE, FRIBA, from the presentation portrait painted by Robert Buhler, RA, and commissioned by his partners in the firm of Tooley & Foster to mark his 60th year with the firm. The portrait is on view at the Royal Academy summer exhibition

Building Societies and Design

'Not a Major Problem'

THE MAY ISSUE of 'Building Society Affairs,' published by the Building Societies Association, contains two articles of special interest. The first deals with the subject of higher interest rates which the Association discussed at its annual meeting on May 16-17 when (to quote the article) 'the possibility of an increase in building society rates will certainly have to be faced.'

The second article discusses 'The Attitude of Building Societies to Modern Architecture.'

'This subject,' it says, 'has generated a good deal of controversy so perhaps it would be wise to state at once that, from the building society point of view, it is not a major problem. This does not mean that building societies do not take the criticism of architects seriously but the average price of a new house in Britain is now £2,400, which is within the range of a man earning between £15 and £16 a week, and it is mainly with these buyers that building societies are concerned. Houses at this figure are rarely designed to the individual taste of the customer.

'Clearly, building societies always have to keep in mind the re-sale value of houses which form the security for their loans but they are conscious that tastes change and that it is their duty to keep abreast of modern trends. Indeed, many mortgages are granted on houses of the latest design, but unfortunately only the unusual cases receive publicity, i.e., when a borrower cannot readily obtain the full loan which he is seeking or where the design is frankly controversial or of limited appeal.

'For some years now building societies have had insufficient funds to meet in full the exceptionally heavy demand for mortgages, so that many prospective borrowers, whether they were interested in traditional or in new designs, have had to be disappointed. Some societies may have felt it a greater contribution to the housing problem to have housed two families in cheaper houses than one family in a more expensive one. There would seem to be a strong case for architects to pay greater attention to the cheaper house, even though this may mean that they have to be designed in groups.

Difficulty of Defining 'Good' Design

'It is impossible to define what constitutes "good" modern design. The architect is creative and must be given a free hand but the building society becomes the point at which creative talent has to reckon with the hard financial facts of life. Will the product sell readily? Will its value for mortgage purposes approximate to its cost? Building societies are in direct touch with borrowers and it is their business to understand the public taste in housing, always remembering that the pocket controls the extent to which that taste can be satisfied. £5,000 is not an excessive price for an individually designed house, but even so, if a maximum mortgage is required, the borrower would need to be in (or approaching) the surtax class.

'Building societies are not so conservative as some critics would have us believe. They are anxious to play their part in the building of a better Britain but they are responsible for the safety of their investors' money and they cannot be expected to take the risk of financing highly individualistic or experimental designs.

'What can be done to bring architects and building societies closer together? One practical suggestion is that the architect should approach a building society at a very early stage in any new project. In this way each party will understand the problems of the other and no doubt both will gain from the interchange of opinion.'

'Planning and Controlling City Growth'

Summary of Sr. Lobato's Paper to RIBA

THE Royal Institute of British Architects has issued the following summary of the paper on 'Planning and Controlling City Growth,' given by SR. LUIS DE GUIMARAES LOBATO, the Portuguese town planner, on Tuesday evening (May 17).

This paper is a description of the research work done in Lisbon to achieve a simple and systematic approach to the problem of planning and controlling the city growth in a less empirical way. It begins with a general explanation of the geographical condition of Portugal and the trend of its development.

A brief account is given of the evolution of the population and of its regional concentration tendencies as well as the distribution, throughout the country, of its active population. This account is completed by a discussion of the development plans and works achieved since 1935 and of their aims in respecting better living conditions in the country and the improvement of the basic economic structure.

Reference is made to the two industrialised regions, one in the north and the other in the south, which concentrate nearly half of the country's population and the great majority of the active industrial population. A comment is made about the inconvenience of unbalanced regional development in relation to the remainder of the country, and the point is made that no planning of a city can be done without relating it to its own regional influence, and the latter to the country as a whole.

The basic conditions of planning for a large city and its region are discussed. The importance of general population emigrations, their cause and the ways of controlling them are discussed.

The process of urban concentration must be tackled at its roots in order to achieve success at later stages in checking the emigration tendency of the populations from the rural or the economically less vigorous regions. The relative increases of population in the city, in the region and in the country are discussed.

Studies of Population Increase

Reference is made also to the systematic studies of population increase and evolution in the city and to the way of planning its better urban distribution in order that the inhabitants may be provided with better housing and working conditions, as well as other urban facilities, accomplishing a sound and balanced population structure.

An explanation is given of the research work and the final conception of the limits to city growth, through the planning and controlling of population distribution in the city in accordance with the provision made for its total figure. It is illustrated by an example of the research done on the most probable daily movements of the industrial population and the attempts made to deal with them.

There is discussion of the significance of the change of urban distance from length to time, such as is nowadays considered necessary to relate living conditions to working places. The parts played by good urban communications and sound public transport co-ordination are remarked upon as the instruments to achieve objective results in the planning and controlling of city growth.

An objective planning of city growth cannot be achieved if the executive is not provided with simple means of controlling its application, to check its efficiency and to allow for adaptations to new circumstances that arise, while being faithful to the fundamentals of the plan itself.

For these purposes researches were made to provide a systematisation which fixed the zoning characteristics of a plan for clear, simple and practical interpretation by planners, executive officers and all those concerned with building.

A graphic relation was established among the three principal zoning characteristics: D—density of population, which gives the measure of demographic concentration; i—index of ground occupation, giving the scale of the volumes of building that are acceptable; Ac—covered area per inhabitant, furnishing the social-economic aspect by settling the average type of dwelling recommended for each zone.

A fourth parameter, characteristic of urban planning, is the free space per inhabitant related to covered area per inhabitant to provide the measurement scale of the influence of the height of buildings in urban concentration. As these characteristic curves are based on average figures, research was done to provide simple means to relate them to the variation of the family composition through graphical curves of easy interpretation.

A simple system was likewise established to ascertain the number of people to be taken into account for a given dwelling, in order to settle the corresponding covered area per inhabitant.

The lecture ends with examples of housing and general zoning to illustrate objective applications of planning characteristics. Emphasis is placed upon the necessity of objective planning and controlling of city growth to improve the living standard of the urban population. Only sound team-work, with objective and persuasive results, will render people confident of the need for planning, for which architects and engineers in particular should be worthy of the modern knowledge at their disposal for the planning and controlling of city growth, so that it may not happen that in our times we should be planning and building the 'slums' of tomorrow.

Council Asked to Consult Architects

Fears for Future of Weybridge

WEYBRIDGE (SURREY) RESIDENTS' ASSOCIATION has asked Walton and Weybridge Urban Council to reverse their decision not to seek advice from advisory architectural panels.

Last year the Association approached the council on the question of making use of the free services of an advisory panel of architects, such as those existing at Guildford, Farnham and Leatherhead. But the council declined, considering that it was unnecessary and impracticable, and that such expert opinion might not coincide with or be acceptable to the plans committee. As recently as February the council declined to adopt a suggestion that landscape architects should be co-opted to serve on the plans committee.

At a recent meeting of the Residents' Association, the chairman, COMMANDER W. J. CHURCH, RN, said that Weybridge High-street would inevitably be due for rebuilding and many of its characteristics would disappear. The Association were concerned with what would replace it, and there was nobody on the council qualified in architectural matters to deal with major rebuilding schemes of that nature.

MR. CLIFFORD CULPIN, FRIBA, representing the Civic Trust, emphasised that the whole idea of such advisory panels was to prevent vandalism destroying the main street. The Royal Institute was endeavouring to get every town planning officer trained in architectural knowledge, but surveyors and other officials were bitterly opposed to the idea. They were also urging speculative builders to employ an architect when laying out an estate.

Advisory panels, MR. G. I. HIGHET (chairman of the Leatherhead Chapter of the South Eastern Society of Architects), stressed, were designed to reinforce and not undermine the authority of the council's surveyor and the plans committee.

MR. G. KINGSFORD suggested that members of the Association should approach individual councillors to get the panel idea created, but MR. J. R. CRICKMAY, a former member of the council, thought that infiltration was a better method. If there were no architects on the council, then one should stand for election.

MR. T. HEPPELL felt it was deplorable that the council would not accept mature advice on architectural matters.

A resolution viewing with grave concern the council's refusal to consider the free advice of architects and asking them to reverse their decision was carried, only three voting against.

Book Review

SCULPTURE IN CIMENT FONDU. By John W. Mills. (London: Contractors' Record, Ltd.) Price 16s.

MR. MILLS, himself a sculptor, whose works have been accepted by the Royal Academy, here describes the technique of casting in Ciment Fondu and the finishes and effects obtainable. In addition to numerous technical diagrams the book includes some twenty plates of photographic illustrations of works by various sculptors showing the aesthetic possibilities of the medium.

G. J. HOWLING.

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Hospital Building

'Several Hundred Architects Wanted'

AS THE NEW hospital building programme gathers momentum the demand for more architects in this highly specialised field is rising sharply and the fifteen Regional Hospital Boards in England and Wales are taking steps to augment their design staffs.

According to a statement issued by the Ministry of Health, a stimulus to the recruitment of suitable qualified architects should be given by the new scale of salaries for Regional Hospital Board staffs which come into effect on July 1. At all levels, salaries have been stepped up, at the top by more than £1,000. The highest salary ranges are now from £2,500 to £3,400 a year for Regional Architects and Engineers, and from £1,765 to £2,365 for their respective deputies. Principal Assistant Architects, Engineers and Surveyors will receive from £1,665 to £2,135 according to scale, Senior Assistant Architects and Surveyors £1,300 to £1,600 and Assistant Architects and Surveyors £905 to £1,310. A new engineering general grade will range from £910 to £1,600 a year. Draughtsmen and other members of the hospital architectural, engineering and surveying staffs will also receive increases.

By comparison with the existing salary scales the increases at the top level are £1,045 for Regional Architects and Engineers, £695 for Deputy Regional Architects and Engineers, £625 for Principal Assistant Architects, Engineers and Surveyors, £355 for Senior Assistant Architects and Surveyors and £255 for Assistant Architects and Surveyors.

Special Posts

The Minister of Health, Mr. Derek Walker-Smith, has also informed Boards that he is prepared to sanction, in certain circumstances, special posts of Assistant Regional Architect within a salary range of £1,775 to £2,175. Those appointed to such posts would be responsible for the work of one or more of a Board's design teams engaged on major schemes to a total value of about £1m. or more, or work of commensurate importance. Already most of the Regional Hospital Boards have taken advantage of this suggestion by Mr. Walker-Smith and have advertised for Assistant Regional Architects.

The Ministry of Health has also strengthened its own Architectural Division during the past year by the appointment of a Chief Architect (Mr. W. E. Tatton Brown) and 12 new members of the architectural and surveying staff.

Courses in Design

It is emphasised by the Ministry and hospital authorities that hospital design experience it *not* essential in applicants for appointment to the new 'ARA' posts, provided that they possess good designing ability and practical experience. These posts, therefore, should appeal to younger architects anxious to broaden their experience in the new, important, particularly interesting and rapidly developing field of hospital building.

W. E. Tatton Brown, ARIBA, Chief Architect, Ministry of Health

To familiarise architects with the basic principles of the subject special courses in hospital design and planning have been arranged. One has been organised by the Royal Institute of British Architects at their London headquarters from July 11-15 and is specially intended for those without previous hospital experience (application forms were issued in the May issue of the 'RIBA Journal.' Ed.) The object of the course is to give architects background information about the National Health Service, user requirements, trends in medical and architectural planning and the latest research. This course will be supported by a hospital design exhibition specially arranged by the Ministry of Health which will open at the RIBA on July 7.

The second course restricted to the staff of the Regional Hospital Boards, is a residential course arranged by the Nuffield Foundation at Worcester College, Oxford, from August 24 to September 15. This is specially planned for senior architects recently appointed particularly the Assistant Regional Architects and the Principal Assistant Architects. Tutored by a team led by Mr. R. Llewelyn Davies, it will cover the subject in much more detail, dealing on the one hand with design and planning of individual hospital departments and on the other with many special aspects such as the prevention of cross infection, heating and ventilation, lighting, appointment systems, building economics, and environmental studies.

Estimate of Needs

In order to achieve the expansion of the hospital building programme it is estimated that several hundred architects will shortly be working on hospital design for the first time, either in private practice or in the Regional Hospital Boards.

Immediately following the war, shortages of materials and the continuing need to limit capital investment, compelled hospital authorities to devote most of their resources to work which would enable existing accommodation to function. No new hospitals were started and there were few large new buildings.

It was not until 1955 that the present programme began to take shape. In 1955/56 capital investment in NHS hospitals exceeded £10 million for the first time. Every year since this figure has increased. About £20m. was spent in 1958/59, and it is expected that this will rise to £22m. in 1959/60, £25½m. in 1960/61 and £31m. in 1961/62. Nearly 180 major hospital building projects each costing £250,000 or more have been announced since 1955, and these projects include thirty new hospitals.

Hospital Building in Northern Ireland

Details of Current £32m. Programme

From a Correspondent

THE Northern Ireland Hospitals Authority has a current building programme totalling £32½m., including work in hand or being planned. Of this sum, £7½m. has already been spent. The remaining £25½m. will cover various projects over the next decade.

In July the Belfast Hospital Management Committee will start the 3-year task of building a theatre and radiology block that is part of a £3m. modernisation scheme for the Royal Victoria Hospital, Northern Ireland's largest hospital. It will cost about £500,000 and have 4 operating theatres, 18 X-ray rooms, 20 recovery beds, to be completed in stage 1 of the scheme, with 4 more theatres and space for radiology in stage 2.

An eye, ear, nose and throat hospital will be built to contain 147 beds and 4 operating theatres, to replace the Benn Hospital and the Ophthalmic Hospital which have been in service for many years. A 5-storey outpatients' department will be built adjacent to the new hospital.

A 5-storey dental hospital is being built to facilitate the Hospitals Authority and Queen's University, and it will be the headquarters of the University's Department of Dentistry.

At the Royal Maternity Hospital, a new 50-bed ward block is at the final planning stage and work has already started on a 50-bed extension at the Royal Belfast Hospital for Sick Children, which will be used mainly to relieve overcrowding in the present wards, and should be ready for occupation by late autumn.

A 77-bed extension has just been completed and occupied at Bostock House, and other plans under consideration include a new kitchen and dining-room

to serve 1,000 nurses and supply food to adjacent ward units. In addition, a 192-bed extension to the west side of Bostock House, with a first-floor link to the Royal Belfast Hospital for Sick Children, has also reached the planning stage.

The Hospital Authority recently acquired on behalf of the Management Committee the factory formerly owned by the Broadway Damask Co., Ltd., at Broadway, which will provide an extra 160,000 sq. ft. of floor area.

Extensions and improvements will be made at hospitals in Armagh, Bangor, Ballymena, Lisburn, Carrickfergus, Newry, Antrim, Magherafelt, Larne, Purdysburn and Omagh. Hospitals will be erected in Coleraine, Portadown, and Dungannon, while Muckamore Abbey Special Care Hospital will be extended to 1,000 beds and several day centres for backward children will be established.

Minister Reverses His Earlier Decision

Housing Scheme at Ham Allowed

IN ALLOWING the appeal of Wates Ltd. against the refusal of Surrey County Council to sanction the development of 34 acres of land which were formerly gravel pits at Ham, the Minister of Housing and Local Government has completely reversed his decision made when approving the Surrey Development Plan in 1958.

The land was then excluded from residential allocation as it was intended to preserve the amenities of the river and to allow more land for playing fields. These were the reasons put forward by the county authority for rejecting the proposal, although at the public inquiry held at Richmond in December Mr. Clifford Heyworth, Town Clerk of Richmond, said his council was in favour of building on the land and was satisfied that Ham's amenities would be safeguarded.

Appearing for Wates Ltd., Sir Sydney Littlewood said that the appeal site, which was part of 60 acres of reclaimed gravel pits, was not in the Green Belt, and presented an opportunity to build a large number of homes in an attractive and organised community near Kingston, which provided a great deal of employment. Mr. Norman Wates, chairman of the firm, told Mr. C. D. Buchanan, the Ministry of Housing inspector conducting the inquiry, that it was intended to give the estate variety in order that it would blend with the district, and because it was a large site houses could be built at a reasonable cost, from £3,000 to £4,000 each. Each house, flat or maisonette would have its own garage and as much green space as possible would be left.

Mr. E. A. Powdrill, an assistant county planning officer, said that the County Council had already refused Richmond Council permission to build on the site as the extra population would overload local services. He said that if permission were granted for the present development, there would be no grounds for refusing building consent for the remaining 26 acres of reclaimed land. He told the inspector 'We hold in our hands the key to all that the river has meant to people in this area.'

Contrary to practice, Mr. Buchanan did not make a recommendation to the Minister, refraining from doing so to leave the Minister 'free to consider the appeal in the wider context of greater London planning and in the light of his decision when he approved the Surrey plan.'

He reported that he was not by any means convinced that houses would do irreparable harm to Ham House, or the riverside, but he had found it more difficult to judge the county council's claim that the land should be used for playing fields, since it was not easy to assess the need for these in this area. While accepting the great demand for houses, he questioned whether it was in the best public interest to build more and more houses in the suburban ring when the occupants largely depended on work in central London.

In announcing his decision the Minister says that although he excluded the site from residential allocation in 1958 because of the possible effects on Ham House and the riverside, he no longer regarded them as grounds for rejecting Wates's proposals. It was necessary to weigh the need to reserve the site for playing fields against its suitability for housing. He stood firmly by Green Belt policy, which made it all the more necessary to allow housing where it could be done 'without sacrificing other important objects of planning.'

He was prepared to examine his own earlier conclusions in the light of these considerations, and after considering the information from the inquiry decided that the land in question was a place where houses could be allowed.

The Minister added that he noted Wates proposed a density of 40 persons to the acre, but he would not object to an even higher figure provided the layout was good. Tall buildings, however, were not appropriate for the site. He accepted the need for more playing fields, but said there appeared to be no current proposal to use the land for that purpose and he did not think that the site was eminently suitable for such use.

Historic Buildings

Ten New Grants Announced by MoW

THE MINISTRY OF WORKS has announced the award of ten grants towards the repair and preservation of historic buildings in the British Isles. They have been made by the Minister on the recommendation of the Historic Buildings Councils for England, Scotland and Wales, appointed under an Act of Parliament of 1953.

The English list includes Badminton House, the fine Gloucestershire mansion, famous for three centuries as the home of the Dukes of Beaufort, and two National Trust properties—Melford Hall, Suffolk, a pre-Elizabethan house redesigned in 1950 by Sir Albert Richardson; and West Wycombe Park, Bucks, seat for 300 years of the Dashwood family and once the headquarters of the notorious 'Hell Fire Club.' At the other end of the scale is an ancient Kentish school converted into a Freemasons' Hall at the end of the last century; and an old chapel once owned by Lord Mayors of London and now part of Kingston-upon-Thames Grammar School. A second grant to a school of the Society of Friends in Yorkshire; grants to Combe Sydenham Hall; and to one of Shropshire's most attractive properties complete the list.

A massive Tudor farmhouse in Wales, once visited by Charles I, is recipient of the only grant for Wales; and in Scotland there is a 17th-century property in Edinburgh which is to be used as a Masonic Lodge.

ENGLAND

Ackworth School, near Pontefract, Yorks., Melford Hall, Long Melford, Suffolk; West Wycombe Park, Bucks.; Freemasons' Hall, Faversham, Kent; Lovekyn Chapel, Kingston-upon-Thames, Surrey; Badminton House, Glos.; Combe Sydenham Hall, Stogumber, near Williton, Somerset; Madeley Court, near Ironbridge, Shrops.

WALES

Llancaiach Fawr Farm, Nelson, Glamorgan.

SCOTLAND

Brodie's Close, Lawnmarket, Edinburgh.

Cricket

NFBTE v. 'The Vitruvians'

THE NATIONAL PRESIDENT, Mr. D. E. Woodbine Parish, has selected the following team to represent the NFBTE in its annual cricket match against 'The Vitruvians' (the trade and technical Press) on June 9. The match will take place at the Richmond Cricket Club's ground and play will commence at 11.30 a.m.

J. A. Bird, Captain, Liverpool Federation.
V. R. Blake, Eastern Federation.
B. Cartledge, Yorkshire Federation.
A. Cload, London.
A. Longman, Southern Counties Federation.
R. T. Nickless, Southern Counties Federation.
M. Ruffell, Southern Counties Federation.
J. Sellers, Yorkshire Federation.
S. G. Shepherd, Liverpool Federation.
F. Vidler, LMBA.
J. Walker, South Western Federation.
12th Man, C. F. Kidman, Eastern Federation.
Umpire, P. J. Flitton, NFBTE.

The Vitruvians' side will be chosen from the following: John Drew, R. Hirst, T. Cartwright, John Gardner, J. A. Young, Alan Goater, Alan Day, Richard Binfield (*Contract Journal*), Arthur Barnett (*Contract Journal*), R. Dowson (*The Builder*), Alec Faldo (*Official Architecture and Planning*), Robin Mudie (*The Architects Journal*) and Ian M. Leslie (*The Builder*).

Umpire: L. McCarthy (*Contract Journal*).

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Architects: Sir John Brown, A. E. Henson & Partners

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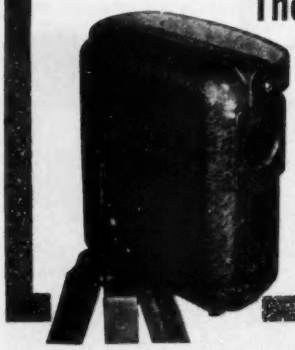

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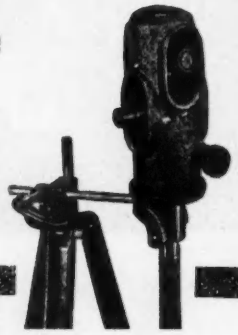

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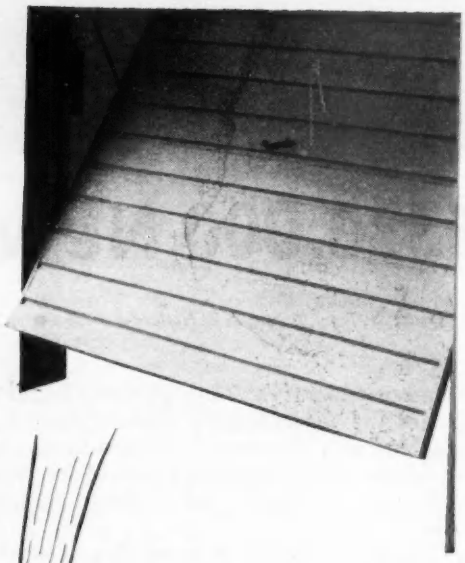

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Current Exhibition at London Building Centre

REVIEWED BY GORDON H. WAGSTAFF

THE PROBLEM of keeping up to date with new methods and new materials in building has concerned many within the industry for a considerable time. The London Building Centre has helped tremendously in this matter in a number of ways, but notably through the publication of a list of new building products which have come on the market during the preceding month. Copies are sent regularly, without charge, to any architect, surveyor or builder who applies in writing to the Director of the Centre. This excellent service helps the technical Press to assist recipients to keep abreast of the latest developments.

It is not always possible, however, for the busy professional man and the executive to follow up these monthly lists as frequently as is desirable with a personal inspection of the materials. No matter how great the demands upon one's time, every effort should be made to visit the current exhibition at 26 Store-street, London, WC1, which is open daily until Saturday, May 28 (9.30 a.m.-5 p.m.; Saturdays 9.30 a.m.-1 p.m.).

The 'Swanlyne Shell' basin designed specially for use in bedrooms. It is made by Alfred Goslett & Co. Ltd.

About fifty new products are being shown, and in all cases they have become available only in the last few months; a few were seen at the Building Exhibition last November; several are making their debut. Seldom is such a concentrated display made available anywhere in the world; the top floor at 26 Store-street bristled with the importance of the occasion.

I was particularly drawn to the delightful 'Swanlyne Shell' basin, a wash basin designed specifically for use in bedrooms. ALFRED GOSLETT & CO. LTD., 127-131, Charing Cross-road, London, WC2, are to be congratulated on this elegant, attractive and practical basin, which provides for concealment of as much of the plumbing as possible. There are plain soft colours with white bowl or decorated inside bowl, also delightful blends of pink and grey, and pink and turquoise. Too long have we been content with the near-standard type wash-basins for all types of rooms. This new departure will particularly win the admiring eyes of the fair sex, and a goodly number of the menfolk too.

Floor Tiles

CARTER TILES LTD., of Poole, Dorset, introduced the new 'Dorset' range of floor tiles in April 1960. These tiles are in three main groups—fully vitreous, semi-vitreous and non-vitreous, and they are available in a wide range of colourings. Complying with British Standard 1286: 1945 for Type B floor tiles, these tiles can be confidently used in all types of industrial, commercial and domestic buildings. There is no deterioration from hard wear, frost, heat, dampness, acids and alkalis, provided suitable jointings and bedding materials are used. The fully vitrified types are designed to withstand extreme conditions and are virtually indestructible.

ECLAIR DOORS LTD., Anne-rd., Handsworth, Birmingham, 21, the original overhead counterbalanced door specialists, are showing an attractive one-piece moulded glass fibre door with smooth external finish in standard sizes and non-standard sizes up to 15 ft. wide by 8 ft. high or equivalent areas. Installation in brick, wood or concrete garages can easily be accomplished in approximately 2 hours. Points about this 'Wonderlift' door which I especially noted were: permanent grey dye finish eliminating painting and painting maintenance, freedom from corrosion, elimination of warping and moisture penetration. Where desired, light panels can be made available at little extra cost.

Plastics Rainwater Goods

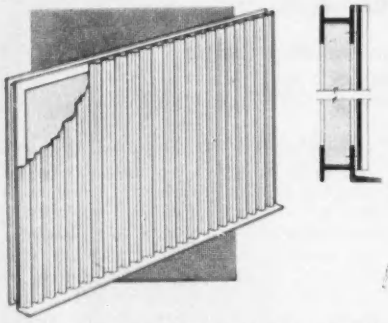
The LABRECQUE ENGINEERING CO. LTD., Gaywood House, Gayfere-street, London, SW1, are exhibiting plastics rainwater goods. This company has been supplying and erecting this material since 1958 and was the first company in the United Kingdom to offer plastics for this purpose. Following nearly two years' practical experience, a completely new method of fastening gutters has been developed and the 'LaBrecque' system now makes it possible for builders to undertake installations themselves without fear of failure from thermal stresses (the plastics brackets and their fastening are the subject of a patent application). The new method of fastening enables reductions to be made in the wall-thickness of the gutters without losing the ability to support ladders leant against them, and the LaBrecque Company claims that their rainwater goods are now competitive with cast-iron, have a minimum estimated life of 25 years, require no maintenance and are resistant to corrosive atmospheres.

The possibility of wasted heat when warmth is not required from domestic hot water radiators is eliminated by the Hattersley central heating regulator, made by the Ormskirk, Lancs., HATTERSLEY (ORMSKIRK) LTD., organisation. Similar to the regulator of an electric cooker, easy fingertip control enables the dial to be set to the heat required; the rest is automatic. Both angle and straight pattern valves have a pleasing and unobtrusive appearance with the distinctive attraction of ivory coloured head and grey indicator plate for blending with any decor. Tight-shut-off is accomplished by the housewife without the application of any extra force.

FORDHAM PRESSINGS LTD., Dudley-road, Wolverhampton are showing the 'Fordham Eterna'—the first white plastic cistern. It is unbreakable and incorrodible and weighs only 7 lb. complete. Maintenance is no problem with this cistern, which is fitted with the 'Fordham' all-polythene syphon and ball float, and the revolutionary 'Acquasave' all-polythene ball valve. The all-polythene ball float never sinks, and the manufacturers claim that the 'Acquasave' all-polythene ball valve never wears. This valve cannot corrode, break, stick or cause overflowing. It is said that on an official endurance test made by a leading water authority, it withstood 18 m. consecutive operations at 100 psi water pressure.

PILKINGTON BROS. LTD., St. Helens, Lancs. have added six new patterns to an already extensive range of figured rolled glasses. The wider opportunities thus offered for both decorative and functional uses of glass are considerable. The new

The plastics rainwater guttering made by LaBrecque Engineering Co. Ltd., is designed with sufficient strength to support a ladder



Left: cut-away section of Stenmar infil panel for curtain walling, showing aluminium frame and polystyrene insulation slab housed in the channel section. Above is a section through the panel showing method of fabrication and the ventilation and drainage arrangements

patterns are available in normal maximum sizes of 120 in x 48 in. (305 x 122 cm.), a nominal thickness of ¼ in. and a weight per square foot of 1 lb. 8 oz.

JABLO PLASTICS INDUSTRIES LTD., Jablo Works, Waddon, Croydon, 'Jablestos' panels (patent applied for) consist of a 'Jablite' core faced on both sides with 5/16 in. asbestos-cement sheets. The 'Jablite' core, which can be from ½ in. to 12 in. thick according to specific requirements, is a snow white expanded polystyrene produced under the Jablo method and consists of a homogeneous mass of minute air-filled cells non-intercommunicating but fused together to form a rigid moulded structure. This close-cell formation, weighing only 1 to 2 lb./cu. ft. is extremely water resistant and an excellent thermal and sound insulant. Chemically inert, 'Jablite' is rot-proof and incapable or organic deterioration or of supporting mildew or other fungi. Further, the non-inflammable grade of 'Jablite' has a Class I spread of flame grading. The panels combine the qualities of a rigid sheet material with those of insulation. This combination has hitherto required two separate panels and two separate fixing operations.

'Jablestos' can also be supplied with alternative facings of hardboard, aluminium, plywood, melamine, etc. The panel facings on one or both sides can be supplied in their natural grey state or finished for outside use faced with a durable weather resistant surface in any colour to British Standard Specification. These panels have many uses—curtain walling, roof decking, linings, partitions, etc.

THE LONDON SANDBLAST DECORATIVE GLASS WORKS LTD., Seager Place, Burdett-road, London, E3, are exhibiting samples of their glass cladding panels specially designed and coloured for office blocks, flats, factories, civic centres, churches and shops. There is a very wide colour range. Curtain walling consisting of the combined use of clear glass for windows together with opaque or transparent coloured cladding between the windows at floor levels forms a sheer face, excluding the elements and providing pleasing and colourful architectural elevations. Erection is speedy and the structural load is lightened.

VENESTA PLYWOOD LTD., Vintry House, Queen Street-place, London, EC4, 'Plymel' partitions, panels and doors, made of plywood or chipboard, faced with melamine plastic on both sides for WC compartments, provide a decorative hard-wearing and hygienic 'self finish' which requires no painting or maintenance. 'Plymel' w.c. compartments are supplied in dismantled units ready for erection on site. These partitions are also ideal for shower compartments. R. A. BRAND AND CO. LTD., Works Road, Letchworth, present new and effective treatment for protection of pipes and pipelines. 'Texolag' is the latest brand sprayed plastic system for protection of vital equipment; it overcomes the danger of damage by corrosive atmospheres and solvents and moisture vapour, and it can give permanent colour identification.

LINTAFOAM, PO Box 25, High Wycombe, Bucks, produce 'Insulfoam' pipe lagging sections moulded in flexible polyurethane foam. The semi-circular sections are hinged along one side to allow speedy assembly on pipes, and tubes of 'Insulfoam' quick bonding cement are supplied to complete the jointing on the open side. This material will protect cold water pipes from freezing and will conserve heat in domestic hot water systems.

Curtain Wall Techniques

A major advance in curtain wall technique is provided by WILLIAMS AND WILLIAMS, LTD., 37/39, High Holborn, London, WC1, with their pre-assembled 'Wallspan' design. The curtain wall consists of a series of factory-built units comprising a complete window with two half-mullions on either side, and two transoms, one above and one below the window. Erection is greatly simplified as the units are simply hung on to hooks bolted back to the building structure, and any necessary adjustments carried out. The panels are clipped into position and retained by two vertical beads for each panel.

'Jablestos' panels, made by Jablo Plastics Industries Ltd., as used by Kent County Council at Dartford Technical College

A preview of an exhibition of this kind with its vast implications cannot, unfortunately, cover all the many excellent products available. I cannot stress too much the advantage of a personal visit failing which I imagine that a copy of the abridged list of materials on show and their producers or distributors will be made available upon request, while supplies last.

Other New Products

In this connection, I should add that under-floor heating, electrically-heated ceiling, partitions of all kinds, flooring of many types and for innumerable uses, wall coverings, self-adhesive veneers, damp-proofing products, lightweight aggregates, fabricated timber beams, reinforcing rods, new type deadlocks and latches: in fact — whether mentioned here specifically or generally—they are all new.

New products represent progress and that's something which nobody can afford to overlook, no matter whether designer, contractor, artisan or client. Those who accuse members of our industry of complacency might well be reminded that a similar exhibition was held last year. The fact that over 50 new materials are on view this year indicates progress, and incidentally, the very versatility of the exhibitors is proof enough that we shall be hearing of many more developments in future years.

Building and Public Works Exhibition

First of its Kind in North-East

THE Building and Public Works Exhibition at Lambton Park, Co. Durham, will be opened on June 15 by Viscount Lambton, MP. The exhibition, the first of its kind in the north east, occupies an area of 700,000 sq. ft., and over £1 m. worth of equipment and plant will be on show. Continuous demonstrations of working equipment and models have been arranged by the exhibitors.

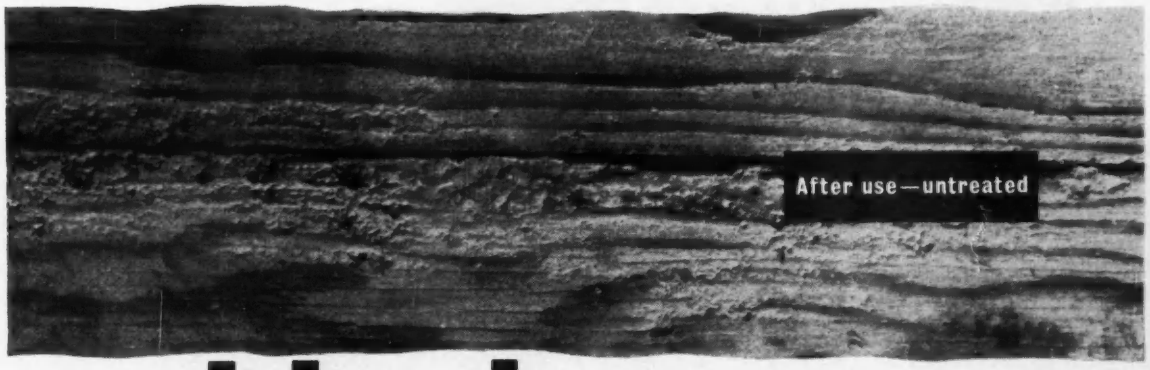
The exhibition will be open from 11 a.m. each day, and the public will be admitted from 2.30 to 8 p.m. from June 15 to 25, the period of the exhibition.

As well as plant and equipment, there will be a modern, prefabricated house on display. This house, by Waage, is of Norwegian design, and was erected on the site within 7 days.

Masonry Apprentices' Competition

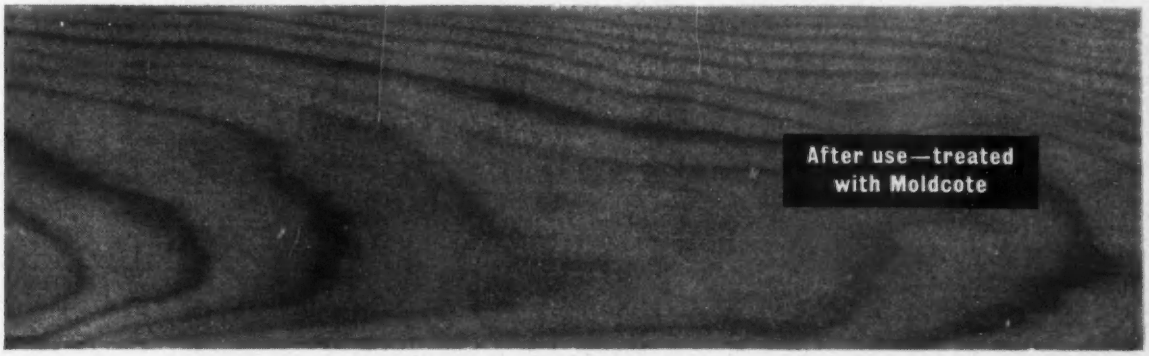
THE ANNUAL Masonry Apprentices' Inter-Regional Competition is to be held this year at the Bath and Portland Stone Firms' Corsham Works, Westwells. Following the preliminary stages at Westwells, when the South West team will be chosen, representatives of the London and Portland areas will compete against them on June 18. Eight apprentices will each be given a 'set piece' to work, and this will be judged by a panel which will include Mr. C. A. Linge, Clerk of Works of St. Paul's Cathedral. A shield will be presented to the team with the highest aggregate.

How temporary is shuttering? How permanent is formwork?



moldcote

The new development that has changed the face of concrete



Expensive timber formwork, complex moulds, the top-rate joinery necessary to ensure accuracy, are generally major items in costing cast or *in situ* concrete.

Moldcote is a surface hardener for the internal faces of formwork. It provides a smooth polished surface to the timber which greatly extends its working life.

It also ensures a fine, even face to the concrete which dispenses with the need for lengthy finishing operations.

Advantages of Moldcote

1. Improved quality of concrete face.
2. Reduced cost of rubbing up and making good.
3. Greatly increased life of timber face, which is entirely protected from water or oil penetration.
4. The face of the timber remains smooth even after repeated use.
5. Highly glazed surface means less release agent is needed.
6. Easily applied by spray or brush.
7. Will not crack or flake off.
8. No staining of the concrete.

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For further details of this brilliant new product which is already being used on numerous important projects, write to:

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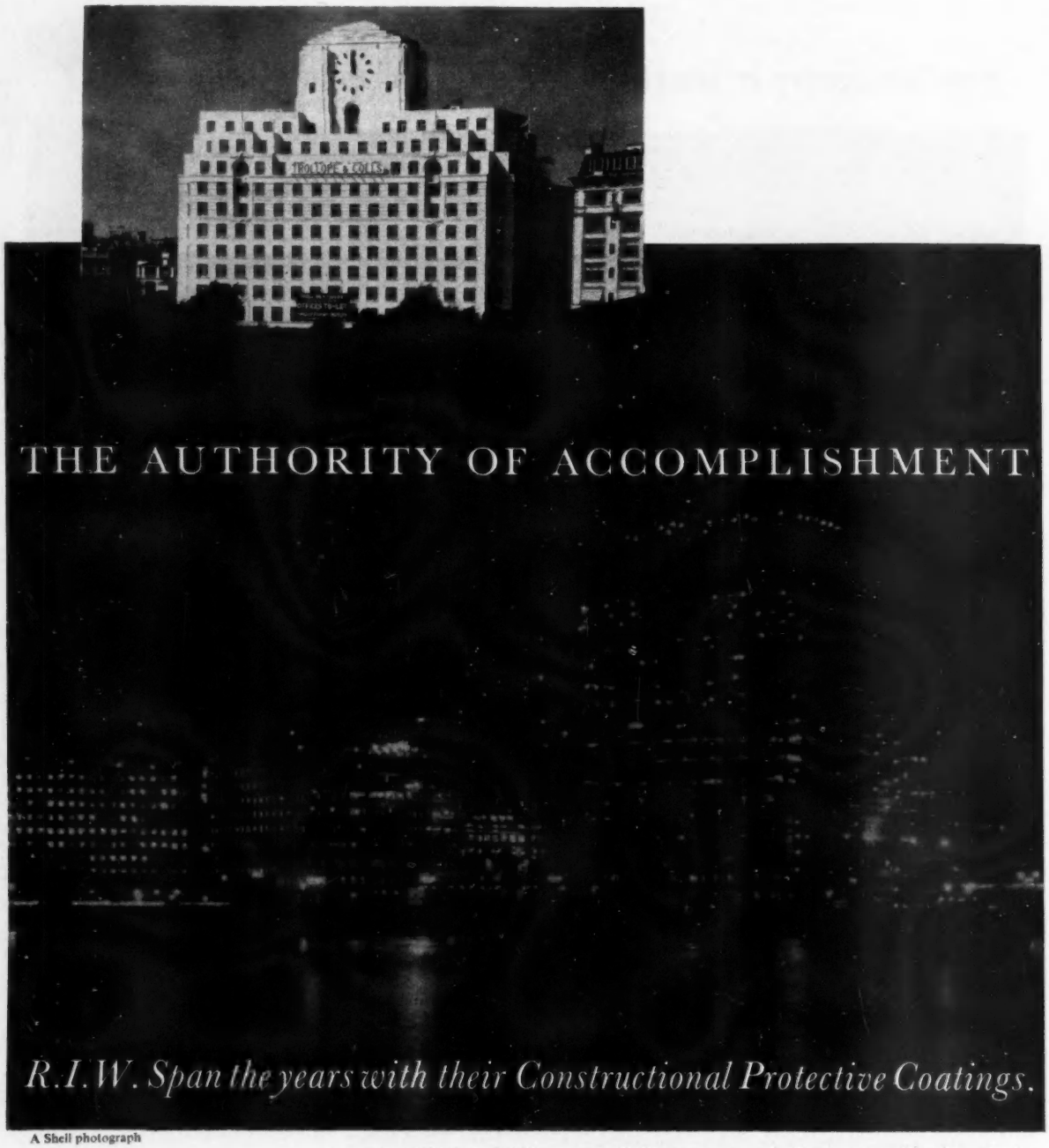
Manor Way, Boreham Wood, Hertfordshire. Telephone: Elstree 2211



A Shell photograph

It was in 1930 that R.I.W. were called upon to supply the constructional protective coatings for Shell Mex House. Again in 1960 R.I.W. is being used to protect the new Shell Centre against the elements.

For over a century R.I.W. Constructional Protective Coatings have been safeguarding leading buildings in Britain and throughout the world — a certain indication that R.I.W. are keeping up with the times.

Architects:
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Bastable

The Institute of Builders

Seventy-Sixth Annual General Meeting

AT THE SEVENTY-SIXTH annual general meeting of the Institute of Builders, held at the offices of the Institute on May 4, Mr. G. O. Swayne, OBE, was re-elected President for a second year of office.

During consideration of the annual report, which was adopted, the meeting was informed that the following applications for admission to the 1960 examinations, to be held from September 5-9, had been received (the final entry figures for 1959 are shown in brackets for comparison): Associate Diploma Examination 94 (89): Licentiate Diploma Examination 756 (749). The closing date for receipt of applications is May 31, 1960.

Following is the composition of the Council for 1960-61:

Officer Members

President: *G. O. Swayne, OBE (Guildford).

Vice-Presidents: *J. Gowing Middleton (Great Yarmouth), *P. F. H. Wykeham, MC (Rugby), *Harvey G. Frost, OBE, (Bury St. Edmunds), *D. C. C. Roberts, MA (London).

Honorary Treasurer: *H. S. Oddie (Preston) (Immediate Past President).

Ordinary Members

Past Presidents: Basil C. Aldous, JP (London), W. H. Forsdike, CBE (Sheffield), William H. Lee (London), Harold H. Ridge (Brighton), F. Leslie Wallis, OBE, JP, (Maidstone).

Fellows: *G. W. E. Airey, TD, MA (Leeds), *C. E. Bollom (London), *J. C. Corben (Maidstone), *A. P. Costain, MP (London), C. Wilson Cubitt, TD (Ipswich), *C. I. V. Curtis (Maidstone), *G. I. Dance (London), *Paul L. Dean (London), *H. J. Falkus (London), *N. S. Farrow, MBE (London), *P. Fotheringham-Parker (London), *F. Hammond (Stalybridge), *O. T. Hedges (Rickmansworth), *B .T. Henman, JP (Luton), *Gerald A. Hill, OBE (London), *Laurence J. Holloway (London), *P. B. Jenkins (Southampton), *A. G. Miles (Ilford), *R. G. Norman (London), *P. M. Shepherd (York), *W. Tompkins (Hayes).

Associates: J L.. Gardner (Irby), *B. E. Lucas (Edgware), T. B. Nichols (Guildford), *J. H. M. Overton (London), A. P. Perrin (Chadwell Heath), *A. C. V. Telling (Bristol).

Licentiates: J. Kinton (Petersham), *J. W. Tiller (London), C. C. Westerman (Hove).

*Retiring member.

Air Pollution by Smoke

Domestic Fires the Prime Cause

THE LATEST revised estimates of the pollution of Britain's atmosphere, which take recent research findings into account, show that over a million tons of smoke are emitted yearly from domestic fires compared with half-a-million tons from industry and 100,000 from the railways. On the other hand domestic chimneys contribute only 100,000 tons out of the 900,000 tons of grit and dust that are emitted. These are the two main forms of pollution with which the Clean Air Act is concerned. Sulphur dioxide gas, emitted from all solid fuels and fuel oils, totals 5½m. tons, to which domestic fires contribute nearly a million tons.

These are a few of the many facts about air pollution and the campaign for its prevention contained in the Clean Air Year Book, 1960, published by the National Society for Clean Air at 2s. 0d. Useful digests of information about the Clean Air Act and its regulations are given and there is a complete list of local authorities which have smoke control areas or smokeless zones in operation or approved. As far as acreage is concerned Hayes and Harlington in Middlesex hold pride of place, outstripping even the big cities.

The Society's annual report for 1959, included in the Year Book, expresses serious concern at efforts being made 'to restore the deservedly waning popularity of the raw coal open fire,' and comments that 'history shows many examples of such opposition to change and reform, invariably ending in failure and creating added difficulties to those who chose obstruction rather than adaptation.' It is emphasised 'that the drive for clean air is not a drive against coal but simply for its use in newer, cleaner and more efficient ways.'

The Year Book may be obtained through booksellers or direct from the Society at Palace Chambers, Bridge-st., London, SW1, at 2s. 4d. post free.

RIBA Golfing Society

New President Elected

THE SOCIETY held its spring meeting at Bush Hill Park Golf Club, Winchmore Hill, on May 3. As so often happens, the Society was extremely lucky in being blessed with perfect weather, and those members who turned out were rewarded with a most enjoyable day's golf. In the morning the competition for the Sullivan Trophy was played, the winner being R. Shannon (A), with a score of 78 less 10 = 68 nett. The runner-up was J. A. Maudsley (F) with 78 less 8 = 70.

The four-hole bogey competition, played in the afternoon, was won by Walter Fisk (F) and partner with the excellent score of 6 up. The runner-up was R. G. Scott (A) and J. A. Maudsley (F) with a score of 4 up.

After the day's play an extraordinary general meeting was held to elect a new President of the Society in succession to the late Sir Giles Gilbert Scott. Mr. H. St. John Harrison, FRIBA, who was unanimously elected to this office, has been a member of the Society since its early days. At one period he held the office of Secretary, and all his friends in both the golfing world and the profession will congratulate him on his appointment to this new office.

Modern Decorative Enamels

Lecture and Film Series

THE AMERICAN enamel artist, Edward Winter, has been invited to give a series of illustrated lectures in this country in connection with the exhibition of work by himself and his wife at the Woodstock Gallery next month. The exhibition will be held at 16, Woodstock-street, London, W1, from June 13 to July 1.

During his visit Mr. Winter, who has pioneered modern decorative enamelling techniques, will speak at the Royal College of Art, the Royal Society of Arts, and at The Building Centre in London. He will also address a special session of the Institute of Vitreous Enamellers in Birmingham. The dates of his lectures are:

June 15: 'Architectural Applications of Vitreous Enamel Murals.' The Building Centre, Store-street, London, W1. 6 p.m.

June 16: 'Modern Decorative Enamels.' The Royal College of Art, Queens Gate, London, SW7. 2.30 p.m.

June 21: 'Decorative Enamelling Techniques.' The Institute of Vitreous Enamellers, Birmingham. 7 p.m.

June 29: 'The Application of Vitreous Enamel to the Decorative Arts.' The Royal Society of Arts, John Adam-street, Adelphi, London, WC2. 6 p.m.

Scholarships in Architecture, 1960

Architectural Association Awards

THE COUNCIL of the Architectural Association announce the award of the following scholarships tenable at the Architectural Association School of Architecture, 34-36 Bedford-square, WC1:

'The Architect & Building News' Scholarship (value £75 per annum): R. C. Wilkinson (King's School, Peterborough).

Three Scholarships Donated by AA Members (£75 per annum): D. S. M. Usborne (Charterhouse); P. J. Facey (Sherborne); J. C. Brack (Cheltenham College).

Natural Asphalte Scholarship (£50 per annum. Presented by the Natural Asphalte Mineowners and Manufacturers' Council): Miss N. Bornstein (Willesden County Grammar School).

Awards to Entrants to years other than the first

Scholarship Donated by AA Members (£75 per annum); P. J. Isbell (Truro Cathedral School).

Senior Metal Window Scholarship (£50 per annum. Presented by the British Metal Window Manufacturers Association Ltd.): H. T. D. Moon (Hanson Boys' Grammar School, Bradford).

Awards to Students already in the school

Scholarship Donated by AA Members (£75 per annum for four years): J. H. C. Mosse (First Year) (Holyrood School, Bognor Regis).

Scholarship Donated by AA Members (£75 for one year): W. A. St. C. Watson (Fourth Year), Scalby, Scarborough.

Profits in Building

Training and Efficiency Hampered by Small Margins

MR. D. E. WOODBINE PARISH, National President, speaking at the half-yearly meeting of the Yorkshire Federation of Building Trades Employers, at Scarborough, on May 13, said: 'Comments of an ill-informed and even misconceived nature are often made upon the subject of profits in the building industry. These comments almost suggest that there is something quite amoral about profit-making. Let it be said quite clearly that the more profitable an industry becomes the more likely it is to be able to afford to become more efficient. Although the present level of building activity is high, the current margin of profits earned is remarkably low for a "risk" industry such as building. This is one of the root causes limiting the expansion of the industry's training programmes and the development of other measures necessary to raise productivity and to improve the status of the industry.

'Another matter which, due to present credit restrictions, causes considerable anxiety to those engaged in building, concerns the staggering amount of the industry's working capital that is locked up in overdue retentions and final account settlements. It is doubtful whether any other industry provides such interest-free credit facilities as the building industry does under its method of working.

'It is imperative that these facts, in relation to profit and working capital, be clearly understood and that every step be taken, on the one hand, to assist actively rather than to discourage and impede, the industry to become increasingly profitable and, on the other hand, to ensure that the building industry's working capital is being fully and continuously used to increase its productive capacity.'

Books Received

SURVEY OF LONDON. Vol. XXVIII. Brooke House, Hackney. (The Athlone Press, University of London.) Price 30s.

SELL'S BUILDING & CIVIL ENGINEERING TRADES LIST. (Business Dictionaries Ltd.) Price 40s., post free.

OFFICIAL ARCHITECTURE AND PLANNING YEAR BOOK, 1960. (London: Chantry Publications Ltd.) Price 15s.

SAFETY ON THE SITE. By A. C. Whyte. (London: United Trade Press Ltd.) Price 20s.

PAPER HANGING. By J. H. Goodier. (Manchester: Sutherland Publishing Co., Ltd.) Price 2s. 6d.

THE CONSTRUCTION OF BUILDINGS. Vol. 2. By R. Barry, ARIBA. (London: Crosby Lockwood & Son, Ltd.) Price 18s.

PILKINGTON BROTHERS AND THE GLASS INDUSTRY. By T. C. Barker. (London: George Allen & Unwin Ltd.) Price 40s.

HUTCHINS' PRICES SCHEDULES. Compiled by T. V. Hutchins. (London: G. H. Lake & Co., Ltd.) £3 10s.

THE PROVINCIAL & COUNTRY BUILDERS' PRICE BOOK. Compiled and published by G. H. Griffiths. Price £2 15s.

DICTIONARY OF CIVIL ENGINEERING AND CONSTRUCTION MACHINERY AND EQUIPMENT. English-French. By Herbert Bucksch. (London: Contractors' Record Ltd.) Price 65s.

The Building Craft Force

Census Shows Little Change

MOST of the results of the Ministry of Works census inquiry carried out into the craft force and the employment of apprentices by contractors in the construction industries in September, 1959 are now available. Figures for electricians were not included in the inquiry. The census showed that:

(i) There was little change last year in the number of craftsmen employed by the industries, the totals (including apprentices) for 1957, 1958 and 1959 being, respectively, 1,025,000, 1,002,000 and 1,005,000.

(ii) The total number of apprentices probably fell but there were only small changes in the ratio of fully trained craftsmen to each apprentice in training.

(iii) There was little change in the number of boys apprenticed to each of the different crafts.

(iv) The number of firms employing apprentices fell. The decrease was largely among the small firms.

(v) There was a marked increase in the number of apprentices employed by the larger firms and a reduction in the ratio of fully trained craftsmen to each apprentice employed.

Thermal Insulation Model By-law

Use of Combustible Materials Condemned by Fire Officer

BUILDERS in the Midlands noted with interest a resolution passed on May 13 by Worcester City and County Fire Brigade condemning the model by-law devised by the Minister of Housing and Local Government concerning the conservation of heat in buildings. The Worcester authority stated that in its opinion the by-law permitted dangerous conditions. It was decided to recommend local councils not to adopt the by-law in its present form, but either to make a suitable local by-law or wait until the Minister issued a revised one.

Under the model by-law such materials as cork, eelgrass and fibre board are scheduled as providing effective insulation in a building. MR. G. EASTHAM, the chief fire officer of the Worcester authority, said that such building materials are 'creating danger to life.' He added, in a statement to the Press: 'We consider that only materials which will not spread a fire should be used especially on the ground floors and stairs which are escape routes. The model by-law does not go far enough. It does not even give the protection which was agreed for industrial buildings under Mr. Gerald Nabarro's Thermal Insulation Act.'

The materials scheduled under the by-law were highly burnable, and under the industrial regulations were controlled to prevent additional fire risks. Mr. Eastham added: 'We consider lives are in danger more in the home than in the factory and so, if anything, there should be more protection.'

Building Supervisors in Hospitals

Increased Salary Scales

THE WHITLEY COUNCILS for the Health Services announce that agreement has been reached on increased salary scales for building supervisors employed by Hospital Management Committees (England and Wales) and Boards of Management (Scotland). The new scales shown below replace as from February 1, 1960, those set out in paragraph 4 (a) of PTB Circular 101 with a consequent revision of the annual leave change point. All other provisions of PTB Circular 101 remain effective.

SALARY SCALES

Multi-unit group Points	*Single-unit group* Beds	*Salary*
20–30 ..	750– 950	£725 × £25 (1) × £30 (4) –£870
30½–40 ..	951–1 450	£790 × £30 (5)–£940
40½–50 ..	1,451–1,950	£860 × £30 (5)–£1,010
50½–60 ..	1,951–2,450	£930 × £35 (2) × £40 (2) –£1,080
60 & over	2,450 & over	£1,000 × £35 (1) × £40 (3) –£1,155

Skid Resistance of Roads

Use of Testing Apparatus

ROAD NOTE NO. 27—'Instructions for using the portable skid-resistance tester'—was published for DSIR by HMSO (price 1s. 9d.) on May 17. This apparatus has been developed at the Road Research Laboratory to provide highway engineers with a routine method of checking the resistance of wet road surfaces to skidding.

The apparatus embodies a pendulum which sweeps a rubber slider over the road surface and with its aid the frictional resistance between the slider and the surface is determined. Adjustments are provided so that tests can be carried out on gradients and on rough and heavily cambered roads and the characteristics of the apparatus have been chosen to simulate the conditions of sliding between vehicle tyre and road.

Second Exhibition of Modern Plumbing

PRINCES HALL, BINGLEY HALL, Birmingham, will be the venue for the second exhibition of modern plumbing, which is held from June 13-18 with the annual conference of the Registered Plumbers Association. The organisers are Tom Phillips Publicity Service, of 1 Brazennose-street, Manchester, 2.

RAWLBOLTS

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The Hospital Escolar in Lisbon. Rawlplug Fixing Devices were used extensively in this building to fix electrical equipment, metal window blinds and many other fixtures.
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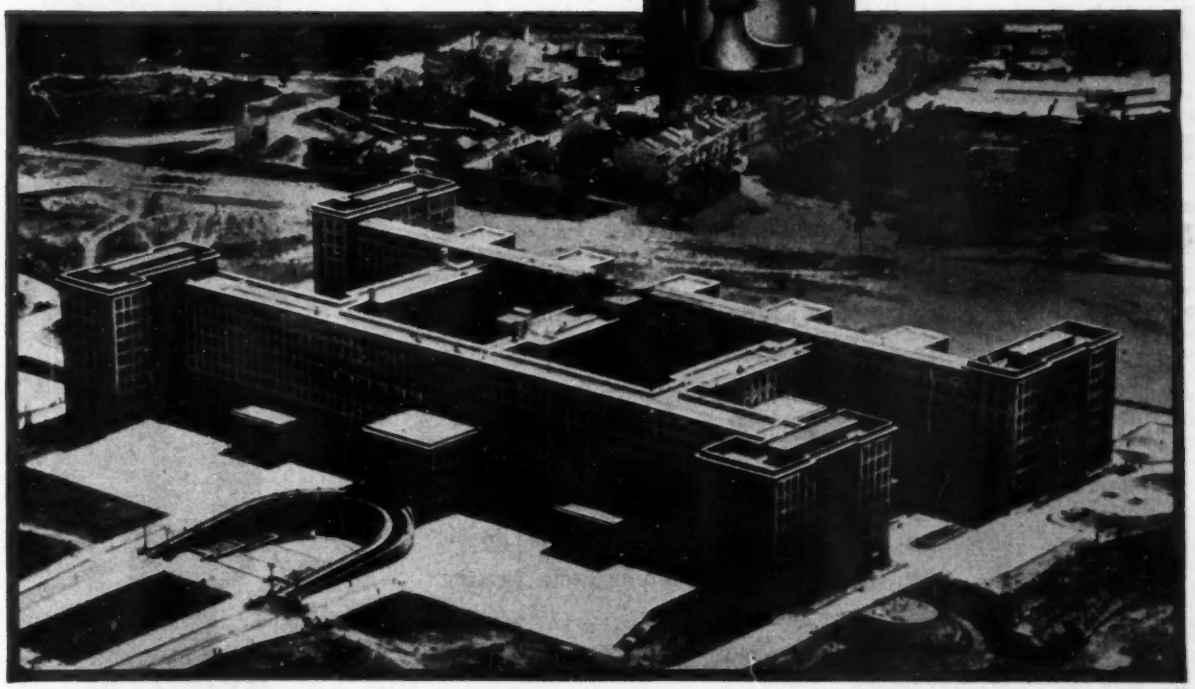

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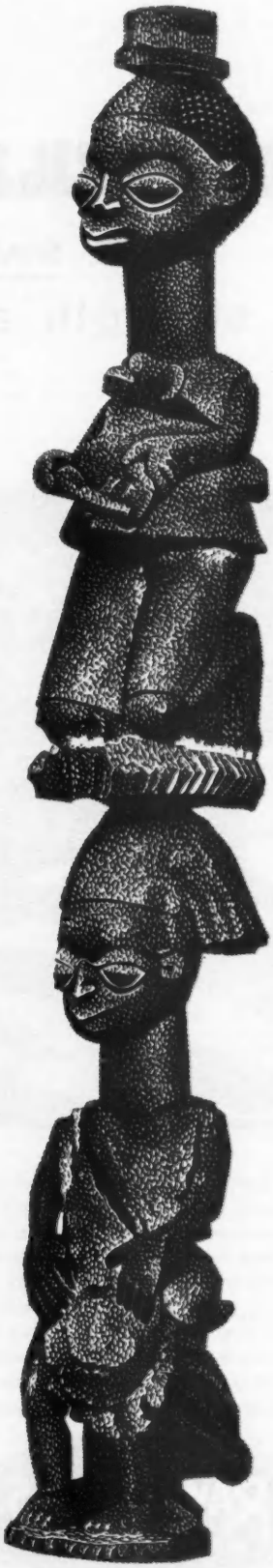


The Royal Fine Art Commission—Pro and Con

Mr. J. M. Richards's Paper to the Architectural Association

AT AN ordinary general meeting held at the Architectural Association on April 27 MR. J. M. RICHARDS, CBE, ARIBA, HON.AILA, submitted a paper on the Royal Fine Art Commission. The president, Mr. H. T. Cadbury-Brown, FRIBA, was in the chair. Mr. Richards began by explaining his object in giving the talk which, he said, was to discuss on the one hand some of the misgivings that people had about the Royal Fine Art Commission, and also some of the criticisms that are made of it. He also wanted to put forward the arguments that could be used in answer to the criticisms. He continued:

Criticisms of the Commission that are regularly made are of two quite distinct kinds: criticisms based on the belief that the Commission ought not to exist—anyway, in its present form; and criticisms of its actual operation—of decisions it comes to or the way it expresses them. The first of these is, I think, really the more important, because the question of whether the Royal Fine Art Commission ought to exist raises the whole issue of the control of design and the imposition of taste from above, which is central to the establishment and improvement of architectural standards. But I do not want to ignore actual cases, because they usefully illustrate the problems that the Commission—and everyone it has to deal with—faces, and the pitfalls it must avoid.

Contrary to the popular impression, the Commission does not try simply to say yes or no to schemes that come before it, and, except in certain cases, I do not think that it would do much good if it did. That, at least, is the principle on which it acts: the principle that its job is to give advice, to help public authorities do the right thing and persuade them to appreciate the larger issues at the same time as the smaller. Its job is not to rubber-stamp designs with the seal of the Commission's approval or rejection. The Commission has always resisted doing this and, for that reason, it tries to avoid the word 'approval.' It insists, as far as it can, that what it aims to give is simply disinterested and expert guidance, the usefulness of which is lost if it is interpreted in black or white terms of rejection or approval.

Disinterested Guidance

The method of disinterested guidance is a liberal and constructive one, and, as between a group of architects and their fellow-architects, a becomingly humble one but, I am afraid, in trying to apply it the Commission is much of the time fighting a losing battle, because what many people expect of the Commission is approval or rejection, and what most authorities who submit things to the Commission want is approval.

Local authorities who use the Commission to help them make up their minds, or as someone to whom the unwelcome responsibility of making up their minds can be transferred, are not interested in guidance and constructive advice. What they want is to be able to say that such-and-such a scheme has been passed with the approval of the Royal Fine Art Commission, and every project that has been before the Commission and received comment that is not positively unfavourable is announced sooner or later as having been approved by the Fine Art Commission—even if the Commission studiously avoids using such a word.

The Commission's careful wording of its opinions so as to avoid becoming an arbiter of taste by simplifying the issue into one of approval or disapproval appears, to those who expect that very simplification, to be mere shilly-shallying.

The Crucial Question

The question thus arises: should the Fine Art Commission abandon its effort to remain a mere counsellor when what so many people seem to want is a rubber stamp? To do so would, in a way, be to step back, yet I do not see how the disadvantages of maintaining the present position can be avoided. I am personally continually being made aware of them, and so are my fellow-Commissioners.

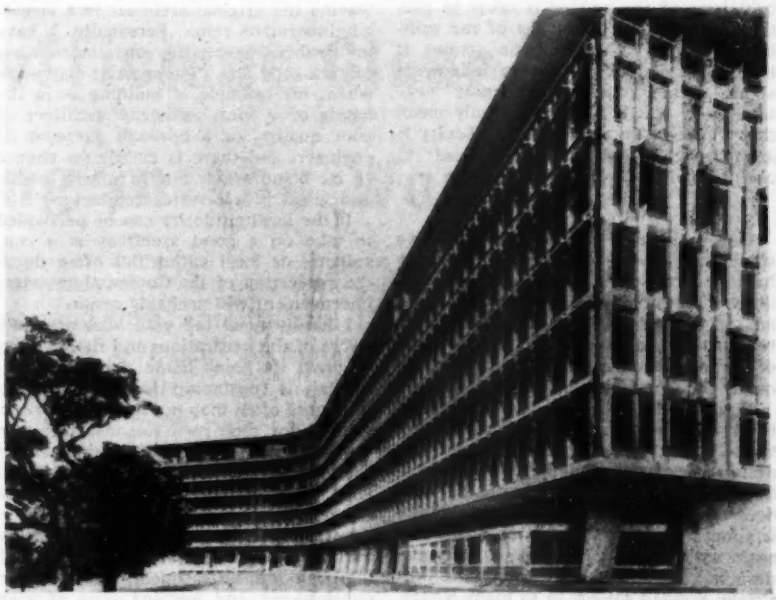
People ask, 'This building is going up in such-and-such a place—has the Royal Fine Art Commission approved it?' 'Well,' I say, 'we don't exactly approve things, but we made various comments on it.' 'But you seem to have passed it, and it's really a pretty awful design, isn't it?' 'No, I wouldn't say we passed it. We gave a lot of careful advice about it, which, in fact, wasn't taken much notice of, but—' and so no. It all sounds deplorably weak; in fact, rather silly.

But what is the alternative? My own view is that, in some cases, the Commission should stick to its guns and go on refusing to make black and white judgments, even at the risk of being misunderstood; these cases being only those in which reasonably good designs by responsible architects come to the Commission and need guidance, for example, on matters of wide public interest.

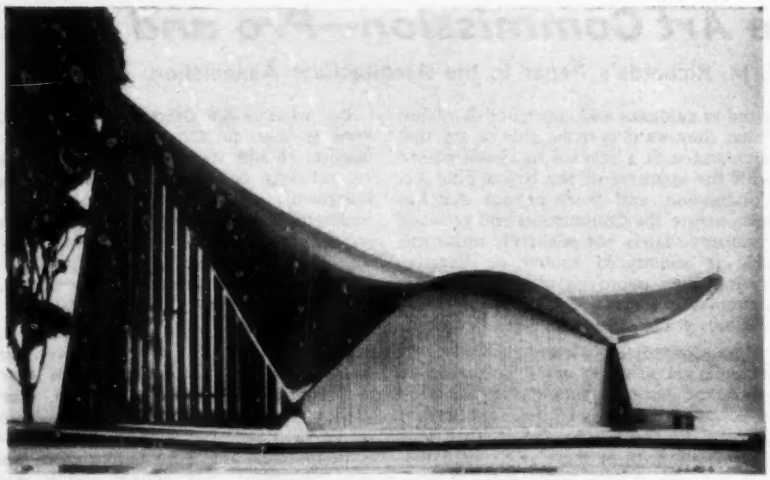
Where such general issues do not arise, and the design is by a good architect, the Commission ought to be content to leave the architectural decisions to him, even though members of the Commission would have done the same thing differently themselves, and if no public amenities are threatened they should simply say that they approve. That will put the Commission in the position it tries to avoid—that of appearing to set up as an arbiter of taste—but it cannot be helped.

On the other hand, when the architecture is poor, I think that in the present situation the Commission can do most good by accompanying its criticisms with an unequivocal opinion that the building is not good enough and should not be built; that is, by direct condemnation.

Often, however, it is not possible to give a simple yes or no verdict, because the process of designing a building is a long drawn out one and the Commission gets brought in at various stages. At the earliest stages, even of an unpromising building, positive suggestions are obviously more useful than simple condemnation, but the sort of pitfall these can lead to is well illustrated by the recent, much publicised, case of the new building on the north side of Piccadilly Circus.



A model of the 'Y'-shaped 7-storey Nestlé's International Headquarters building at Vevey for the design of which Prof. Jean Tschumi, of Switzerland, has received the 1960 Reynolds Memorial Award (value $25,000)



The proposed Synagogue at Carmel College, Oxfordshire, which is to have a 'cubic hyperboloid' timber shell roof. The building is in the form of a 50 ft.-sided pentagon, and the whole weight will be carried on the five points of the pentagon without internal supports. The overall length of the building is 104 ft., the roof cantilevering 25 ft. over the entrance, and the overall width is 86 ft. The architects are Messrs. Erdi and Rabson (Mr. Arthur Rubinstein, ARIBA, architect in charge) and the consulting engineer Mr. H. Tottenham

The Commission is always in the difficulty that things do not come to it early enough, and it is dependent on local authorities more than anyone if this is to be improved. It will not get much further with them if every time a local authority does show a project in an early, tentative stage to the Commission—as the LCC did in the case of the Piccadilly building—the Commission comes out with a statement to the Press saying that something terrible is being planned. The Commission would probably never be consulted again.

I said earlier that criticisms of the Commission's work were of two kinds: criticisms of the actions it takes in particular cases, and criticisms of the principles behind it. As to the actions it takes, I think that its members' judgments about architecture are generally very sound—by which I suppose I only mean that I agree with them. The difficulty is in making sound judgments lead to useful results.

Poor Architects

One problem is that, by and large, we shall only get better architecture by having better architects. Many of the designs that come before the Commission are of a poor standard, for the simple reason that the architects responsible are of a poor standard. In such cases, what ought the Commission to say?

First of all, as I have already said, I think that the Commission should always say so quite clearly when it thinks that a design is not good enough, and increasingly the Commission is doing so, but that does not help much if the same architect is simply going to come back again and again with changed, but equally incapable designs. So far, the Commission has always avoided saying, in so many words, to the people who submit designs, 'Sack your architect and get a better one,' even when that is the obvious way of obtaining a better building—though it has dropped pretty strong hints that this should be done.

Perhaps your view is that the Commission should say that the architect is not fit for his job. It increases the chance of injustice, but perhaps little that is positive can be done without the risk of injustice.

Appointment of Consultants

The alternative line the Commission most often recommends in cases like this is the appointment of a consultant, hoping, of course, that it will work out that the consultant makes a new design, leaving the original architect in a largely administrative role. Personally, I have my doubts whether the consultant idea is often a good one. I suppose it may work when, for example, a building is in the hands of a local authority architect of poor quality, or a borough surveyor or engineer, and there is clearly no chance of its being taken out of official hands and given to a private architect.

If the local authority can be persuaded to take on a good architect as a consultant—as local authorities often do at the suggestion of the Commission—some improvement will probably result.

I hardly need tell you, who are fully aware of the frustrations and the inability to press its point home that the Commission is continually having to accept, that more often than not nothing happens. Clients, for their own reasons, decide to go ahead with their schemes in spite of the Commission's dislike of them, and local planning authorities, even if they minded more than they do, cannot go on time after time turning down a scheme on architectural grounds and incur the reproach of unreasonably holding up development and keeping sites of high potential rateable value empty.

In short, there are any number of cases when the Fine Art Commission's advice is not taken, and many of the criticisms made of the Commission are based on the number of bad buildings that go up in spite of the Commission having had the chance of commenting on them.

The Commission is widely criticised by the more responsible and better architects, who resent the Fine Art Commission being allowed to interfere. They feel, quite understandably, that there are already enough hurdles to be got over—to say nothing of those caused by difficult clients, or clients without enough money to spend.

I think that it is essential that the Commission does not interfere with an architect's actual design and, in practice, it tries not to. Its job is to watch the aspects of a design that affect public amenity—building heights and densities, the effect of a new building on near and distant views, the use of the site and the relationship to other buildings, and so on.

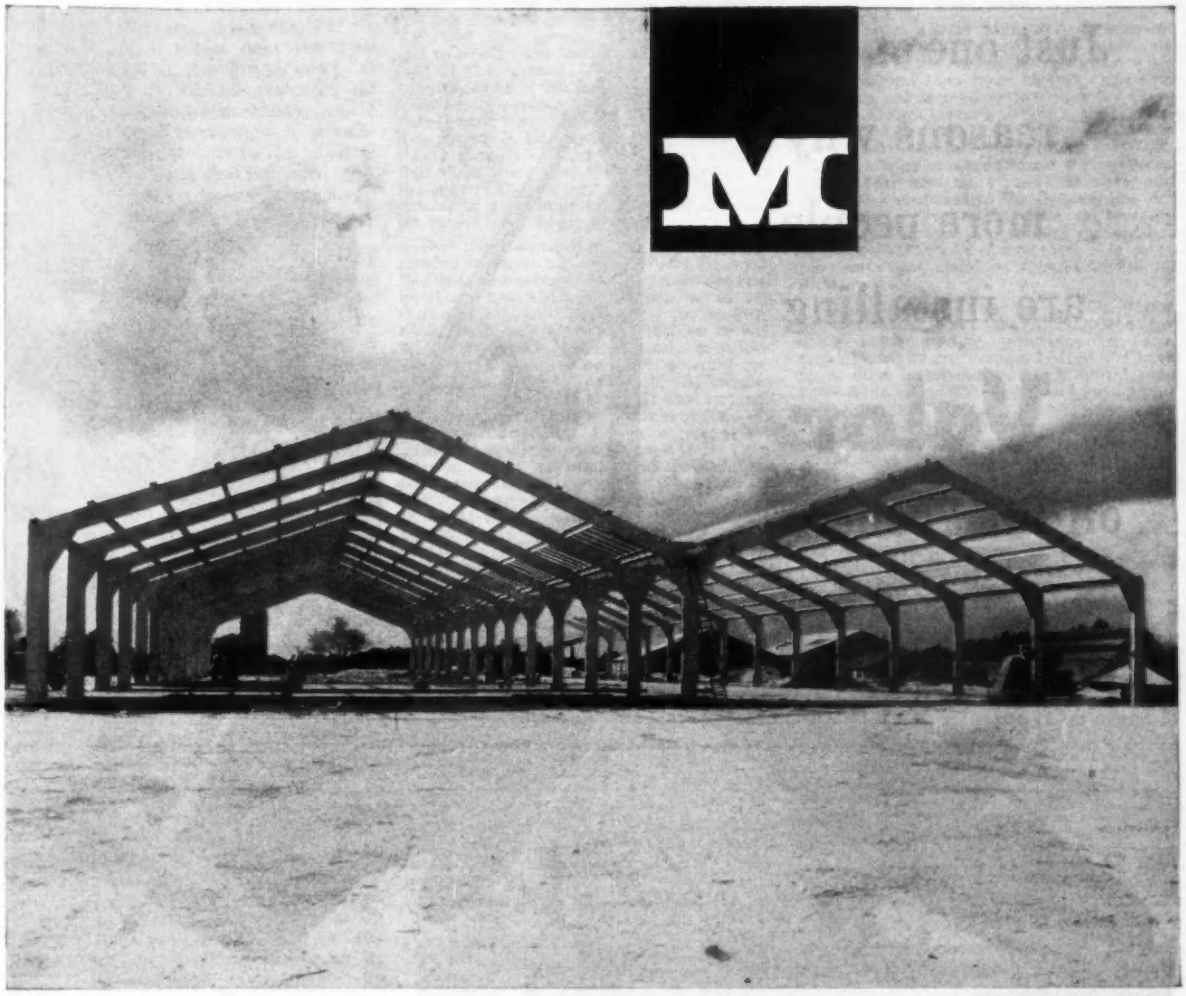
The strongest reason for the Commission coming out into the open with its views is that, although it is said to have no powers, it has, in fact, the power of rallying public opinion behind it. If, directly some important project has been before it that is clearly going ahead in a way that will produce an unsatisfactory building, the Commission were to make a public announcement to that effect, the public, interested Members of Parliament and such like, would be warned and could make their views felt in time.

And now let me come to the second question I have to deal with—the question of principle: whether or not we ought to have a Fine Art Commission. This evening, I am supposed to be putting before you both the pros and the cons, and on this question, perhaps, I can most usefully begin by putting them in the most extreme form.

The extreme case pro having a Fine Art Commission is expressed by, 'Look at all those terrible buildings that go up—can't something be done about them?' the Commission being the body charged with doing it. The extreme case con is that each generation gets the architecture, the cities—and, indeed, the environment—it wants and deserves, and to try to impose something on it which it does not do naturally falsifies the situation and probably stultifies the growth of better standards by emphasising the difference between what people naturally like and what they feel they ought to like.

Architects and Leadership

The argument on the other side, obviously, is that good architecture has never depended on the discrimination of the ordinary people; architects have to exercise leadership, and what are the superior views of the minority in one generation become the accepted tastes of the next. Nevertheless, tempting as it is for architects to assume the air of superior beings, I think that the leadership they exercise should chiefly be leadership by the example of their works, not by trying to dictate taste; and as to planning controls generally, these—again in my view—should not include control over æsthetics or taste.



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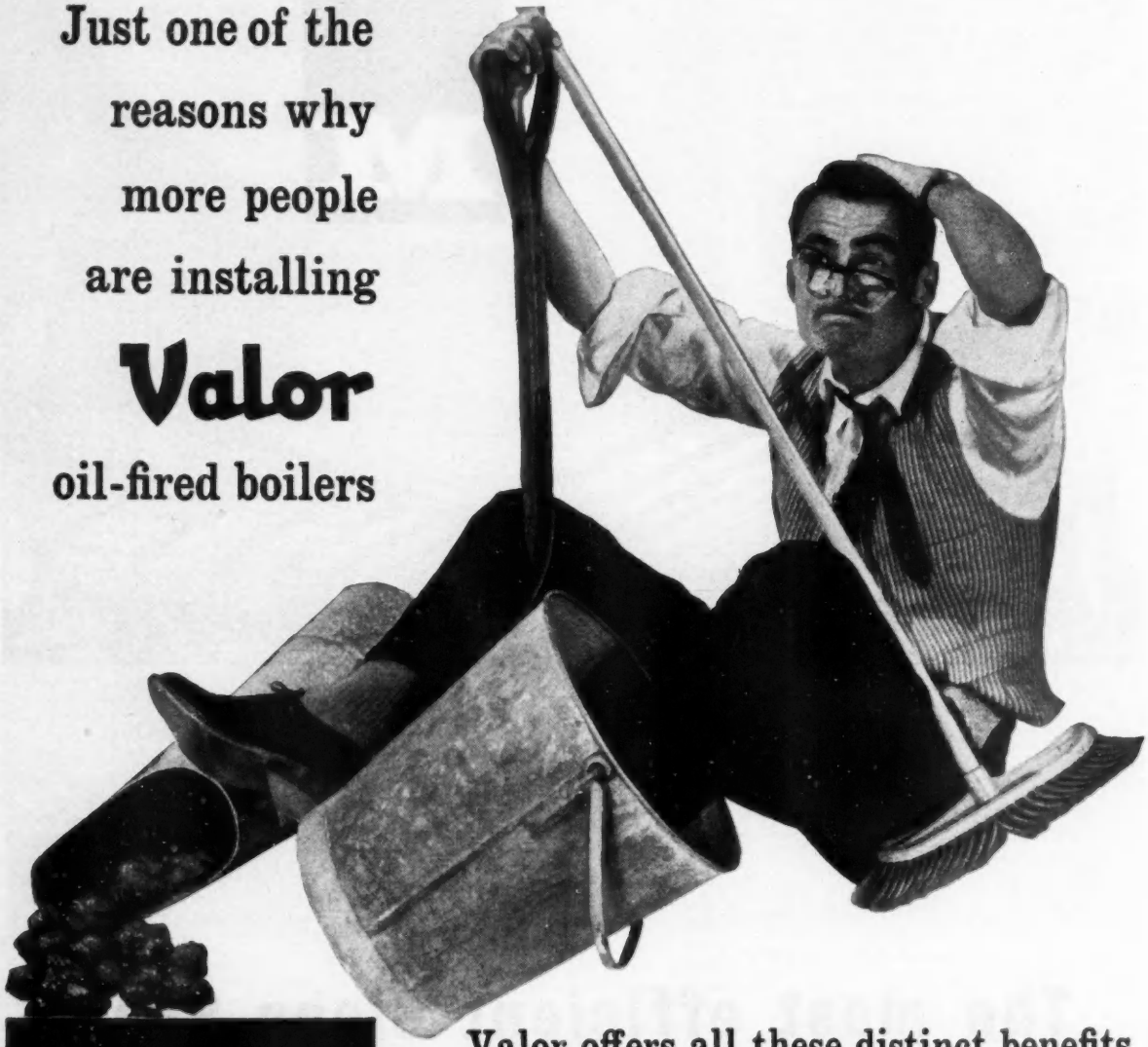

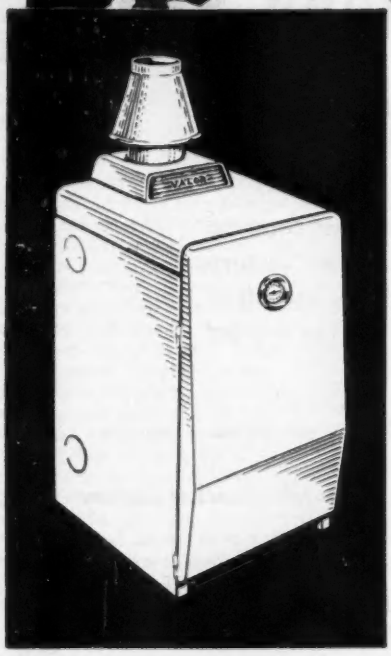

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Control involving æsthetics must be kept to the minimum. Assuming that we agree about that, where does the Fine Art Commission fit into the picture? If planning controls worked perfectly, no Commission would be necessary. As I have stated, the Commission is a safeguard. Not being subject to the political and financial pressures that influence local authorities, it can really watch the public interest. It is also an expert committee of guidance.

Its rule, too, like that of planning authorities, should be to do its very best to avoid becoming a committee of taste. It must, of course, exercise æsthetic judgments, because half the things about which it can give useful opinions—whether they are the siting of power stations or the location of high buildings—depend on judgment by the eye. These are judgments about planning and the relationships between buildings but, as things are, I do not see how the Commission can avoid making judgments about architecture too.

Theoretical Standing

One disappointing thing about the Commission's work is that where it is on the firmest ground theoretically—that is, where it is most justified in putting forward strong views—its operating powers are weakest. The Commission finds itself weak for two reasons: the first is that it seldom gets consulted in time. The second is that in projects like power stations, other factors than amenity ones—technical, financial, political—seem to weigh particularly heavily, and whatever recommendations the Commission makes have very little chance of being listened to if they involve more trouble or expense.

Although I am not here to stand up for the Commission, I think that in fairness—since I have rather harped on its weaknesses—I ought to conclude by emphasising that the Commission does achieve useful results, although because of their nature, its successes tend to pass unnoticed.

The Vote of Thanks

LORD CONESFORD, proposing the vote of thanks, said that on the general proposition of pro and con the Commission, he was overwhelmingly pro. 'Any architect who is under the impression that he would have more artistic freedom if there was no Commission is wrong, because there is no prospect at all of removing the powers of the local planning authority, and the local planning authority would be very much more ignorant of, and unsympathetic to, the modern architect than the Fine Art Commission ever has been,' declared the speaker, adding that his principal suggestion to the Commission was whether they could not hear of things in time, if not to stop them at least to give a chance to angry old men in Parliament to make their voices heard. An illustration was the ruin of Nash's vista of All Souls, Langham-place—the most unnecessary and fantastic bit of sacrifice of one of the charms of London. Surely, knowledge of that must have permeated to the Commission, and the drawing of public attention to what was threatened, and the value of what was being threatened, could have had very great purpose.

'I had some doubt, possibly,' continued Lord Conesford, 'when Mr. Richards said that the Commission should express views only on important matters.' He would agree—provided people could agree on what was important. As an example, he would ask anyone who motored through Beaconsfield towards London to observe the avenue on the right after getting through the town—and to observe the first house on the London side of that avenue. There used to be an advertisement in the Tube of a sort of mock-Tudor house which a girl saw through her engagement ring. That was the house they had put up in Beaconsfield. 'Could not the Royal Fine Art Commission have realised that there was about to be development on the edge of Beaconsfield, and, say, "Beaconsfield is of great importance, and is unspoilt; let us see what is proposed"?'

The speaker continued: 'Let me give another example. I am told—and I suspect that it is true—that some building societies insist on bad architecture; that is to say, they will not lend money for the building of a house unless the architecture is bad. If it is a good design—and, therefore, resembling in its detail the admirable design of the houses put up by the municipal authorities—they say that the fact will detract so much from its value that they will not lend the money. If that is true, it is a matter of public importance, and if the Commission could ascertain, and publish, the facts, they would do good.' The Commission's annual report had some admirable remarks about some of those building developments, but he thought we wanted something rather more frequent than an annual report, something like a two-monthly 'Standard.'

'Mr. Richards has said most of what could be said about Piccadilly,' continued Lord Conesford. 'I agree with the problems facing the Commission but, again, I wonder whether one of the mistakes made may not have been that the Fine Art Commission did not say at the very outset something that they said with great emphasis and propriety in their final statement; namely, that this was a most important site. I have no complaint to make of their final statement, but I cannot understand why that could not have been said at the start.'

Seconding the vote, MR. GUY MORGAN said that 'the case for a Commission has been made, so for the love of heaven let us have it—and have it bigger. As it is, it cannot really cope.'

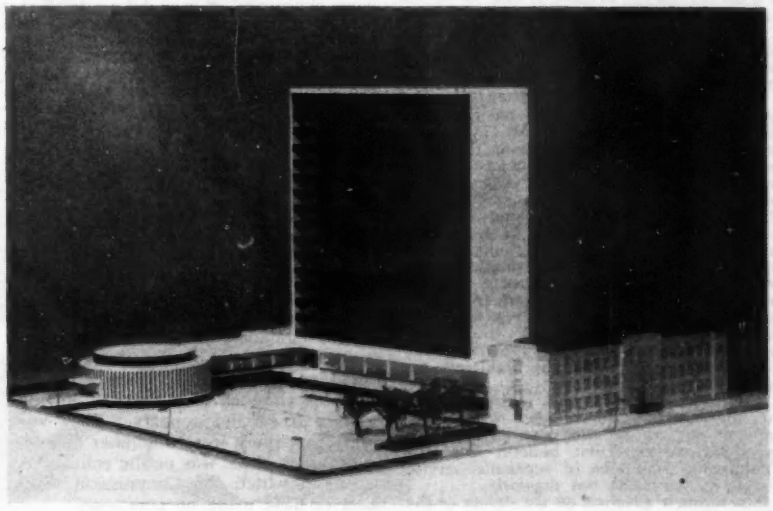
Discussion

MR. IAN M. LESLIE said, that as a result of Mr. Richards's typically lucid exposition of how the show worked, he was much wiser on the subject than when he first came into the room. It seemed to him that the Commission always seemed to get a poor Press. Was it because the Commission was always being overtaken by events? If the Commission always managed to get a poor Press, had to deal with more than 300 cases, and the sixteen members of the Commission met ten times a year, this gave an average agenda of 30 cases. Should not the number of Commissioners be increased so that more sub-committees could be formed to discuss these matters?

Again, if one was going to rally public opinion, should not the Commission lay down some guiding principles on, say, development of city centres? It would have to be done impersonally, but it would then be possible to say: 'Are you sure your architect is all right?' If the Commission spoke in that way in good time on subjects such as city centre development and motorways, it would be a better thing than to bury them in the annual report.

MR. RICHARDS replied that he was doubtful whether there should be lots more Commissioners. A body like the Commission had to survive rather on its sort of special prestige, being a sort of narrow-shaped body driving through opposition, and if it was a sort of amorphous body, the dilution process lessened its power. He did not relish the thought of all the good architects being inside the Commission and not outside it. It had to be small, solid, precise and powerful, and had to find a way of choosing only those things that are really important to deal with, though he agreed with Lord Conesford that the important things were not always the enormous buildings in the middle of London; the spoliation of Beaconsfield was equally important.

As to the other question, he was a little doubtful about laying down principles. He had always thought that one rule to which the Commission should stick was to judge things on their merits, and not in relation to a general principle.



Shown above is a model of the proposed £1,300,000 County Buildings for Hamilton, Lanarkshire. The site extends over 3.7 acres bounded on all four sides by streets; the only existing development to be retained is a three-storey office block of traditional design built by the council in 1936 (right foreground). The scheme comprises a seventeen-storey office block with extended ground and first floors and a two-storey wing at right-angles along the west side of the site in which is situated the council accommodation. This is linked to the council chamber, which is circular in plan. To the north-west of the tower block there is a large county hall with accommodation for 350 guests. Site clearance will begin in June and work on the concrete frame in August. The County Architect is Mr. D. G. Bannerman, ARIBA, FRIAS, and the consultant engineer, Mr. W. V. Zinn, BSc, MICE, MIStructE

Mr. Leslie had said that the Commission tended to be overtaken by events and that might be why it did not attract a better Press. He (Mr. Richards) agreed that it had to do more to attract the Press. The Commission had attracted a bad Press in the past because it had done nothing about it, and the Press had ferreted out probably a slightly garbled version of what was going on. If the Commission were to take the initiative and make a forceful Press statement every time there was something of which the public should know, it would rally public opinion, because it would provide a focal point about which those who mind about these things—whether Members of Parliament or men in the street—could shout, at a stage when it could do some good.

MR. PRINDER: 'Is there not a tendency to think of the Commission as a spotlight on development mainly in London and the South-East? If we are to have this virile Commission, and if it is to operate as Lord Conesford said it should have operated over the development at Beaconsfield, have we not to decide whether it should concentrate its efforts on areas that are rather convenient, or overall, really doing the job as a whole?'

Wider Coverage

MR. RICHARDS replied that the Commission was aware of that danger and had recently set up machinery by which it would be informed of what was going on in the remoter parts of England, in order to avoid being a purely London organisation. 'It will, of course, always be overloaded, because there are always so many things going on about which the Commission must do something,' he added.

MR. CLEEVE BARR said that it seemed to him that if the Commission had greater powers over a wider range, there was a danger that, rather than becoming more effective things might end in the complete duplication of the planning machinery at local government level. A further thought was that no amount of aesthetic control could create good architecture. That could be created only by good architects, and that was a job for our profession. Would it be a good idea for the profession itself to create a caste of master architects, and so to put its own house in order?

MR. ERIC LYONS said that in his own very limited experience he had found that it was not very easy to be heard, as an architect, by the Commission.

'It seems that if you are the right sort of person you can get a hearing, but that does not apply to everyone,' said Mr. Lyons. 'I myself have suffered from having the Commission examine my work, submitted by a local authority as planning authority, and the planning officer being given a direction that it was acceptable subject to some alteration —fiddling with fenestration. This fiddling with fenestration does go on, and in view of the comments made on the problems with which the Commission is faced I think it would be a good idea if it were to drop it finally because, in the end, it is a matter of fine taste and not fine art. We are dealing with very personal matters. If anything, the Commission should give the architects the benefit of the doubt.'

A further point was that in view of the fact that it had so much other work to do, and that so little building was, in fact, done by architects, a regular bulletin from the Commission would be of enormous service —if it in fact came out regularly.

Answering a question on the design of the M.1 bridges, MR. RICHARDS said that the Commission only managed to get its word in about the M.1 when the thing had been settled. The Commission made powerful criticism of the bridges but, in operations like that, engineering and cost considerations, time schedules and economics were the things that rule, and questions of design just did not get listened to by such bodies as the Ministry of Transport unless they happened to coincide with economy. 'If the engineer in charge is able to prove that certain clumsy forms of construction, if repeated all the way down the road, whether they are to be used for a 20 ft. cattle creep or a 300 ft. viaduct, will save concrete costs and so on, that is the criterion used. It is just a question of the people who sponsor these undertakings not being basically interested in what people are to look at. Even a Commission cannot alter the sense of responsibility, or lack of it, in people like Government officials for appearance.'

On fenestration, he could only say that the Commission tried not to redesign architects' buildings.

MR. LEO DE SYLLAS said that an extremely good case had been made for limitation in the number of Commissioners, but against that there was the problem that there was an enormous amount of matters which those who, in principle, supported the work of the Commission, thought it should consider. 'Would it be possible,' he continued, 'for the Commission to call on certain committees or bodies to report on purely factual matters? Ultimately, of course, the Commission has to use its judgment, but that judgment is based on matters of fact and matters of taste. As I understand it, the Commissioners are appointed because of their good judgment, which they translate into terms of good taste, but the things with which they deal are fairly complex.

'One matter that has not been mentioned is the new building proposed for the corner of Trafalgar Square. That involves not only aesthetic issues on one building but judgment on the whole problem of Trafalgar Square. Going by the extremely interesting details we have been given, I would question whether, in the time available to it, it is possible for the Commission really to assess the total factual problem involved in the long-term development of Trafalgar Square. What, for instance, are the traffic problems there?'

MR. WILLIAMS said he thought the last speaker's remarks were based on a slight misunderstanding of the role of the Commission. The Commission was supplementing, in a way, the planning work of the local authority. If the planning work of the local authority was all it should be, the Commission need not exist. Its advantage was partly as a second line of defence, and also that it was free from time pressures, and political and other pressures that came to bear on a local authority. It could therefore judge objectively. But he did not think that it should usurp the planning role of the local authorities. It was their job to foresee the future of Trafalgar Square, and make a plan for it. A comprehensive plan for Trafalgar Square did not exist, but that was merely a reflection on the way local authority planning was operated. It had almost ceased to be positive, constructive planning, and had become merely the administration of planning legislation.

'What is much more important than giving wider powers or more technical know-how to the members of the Commission, is to persuade local planning authorities to recognise their major role; that is, to make a long-term picture of the way in which they think their areas should be developed, and the control of development to get that picture achieved. That is what we mean by creative planning. There is too little of it done by planning authorities, but that is a criticism of them.'

'Taking Buildings into Custody'

MISS DARLING: 'Since it is possible to say which buildings are of value to the public, would it not also be possible to have sites such as Piccadilly Circus taken into the custody of the Commission, so that it is able to appoint architects right at the beginning when any plans are beginning to come up?'

MR. RICHARDS: 'That is an idea, but I think that in putting the Commission in the position of appointing architects one would lay it open to many dangers. It would become a kind of patronage. The Commission is a body of architects, and you would tend to get the danger of a kind of established view on architecture, and the kind of architect whom the Commissioners themselves believed in perpetuating.'

MR. CEDRIC PRICE said he was horrified by the sort of professional presumption of architects who judged the work of other architects. Mr. Richards, a member of the Commission, had said that a building on the South Downs would spoil the view if sited at the top. Well, he (the speaker) thought that it would alter the view—it would not spoil it. That danger ran through all such arbiters of taste, of which Mr. Richards was frightened of becoming. It was a dangerous policy to have such a Commission—its mere presence was wrong.

MR. R. BUTTERELL: 'What is the Commission's general policy on very tall buildings in London? Is it true that they must not overlook the Royal Parks? What about the new hotel in Park Lane?'

MR. RICHARDS: 'The Commission has no hard-and-fast policy about tall buildings, any more than it has about any other buildings. Its principle is that each case must be treated on its merits, and the height is just one thing to take into account when considering a building in relation to all the other factors. It is neither pro nor con high buildings. Whether a building is high or low, the Commission tries to examine it in relation to its surroundings.'

The Scottish Royal Fine Art Commission

Publication of First Report in Thirty-three Years

APPOINTED in August, 1927, the Royal Fine Art Commission for Scotland published their first report on May 11 (HMSO, 1s. 3d.) and in it the Commissioners comment that they appreciated the fact that this first report was published at a time when there were considerable stirrings of interest in amenity, both in town and country. They were aware that there were a number of issues upon which there was public controversy yet upon which the Commission would seem to have made no comment.

'In judging of this,' adds the report, 'it should be remembered that it is no part of the Commission's functions to usurp the part of architect or planner by putting forward alternative schemes of its own.' The Commission however observe that there was room for a great increase in the number of bodies requesting comments on their plans. Scotland's beauty formed a considerable part of her capital. True pride in national heritage, as distinct from lip-service, was not as strong as it might be.

Emphasising that some of the material in the report had become mainly of historical interest, the Commission state that if there was any sphere of architectural interest which could be named as specially characteristic in Scotland during the last 33 years it was perhaps great electrical generating stations. The most notable public building erected during their time had been St. Andrew's House.

In a section on bridges, the Commission said that many of the more important bridges in the north-west had called for special treatment, and the Commission made a special point of stressing that the problems involved were not purely engineering. In several notable cases they were able to persuade local authorities of the need to employ a consulting architect in addition to the constructional engineers, with immense benefit to the resulting bridges.

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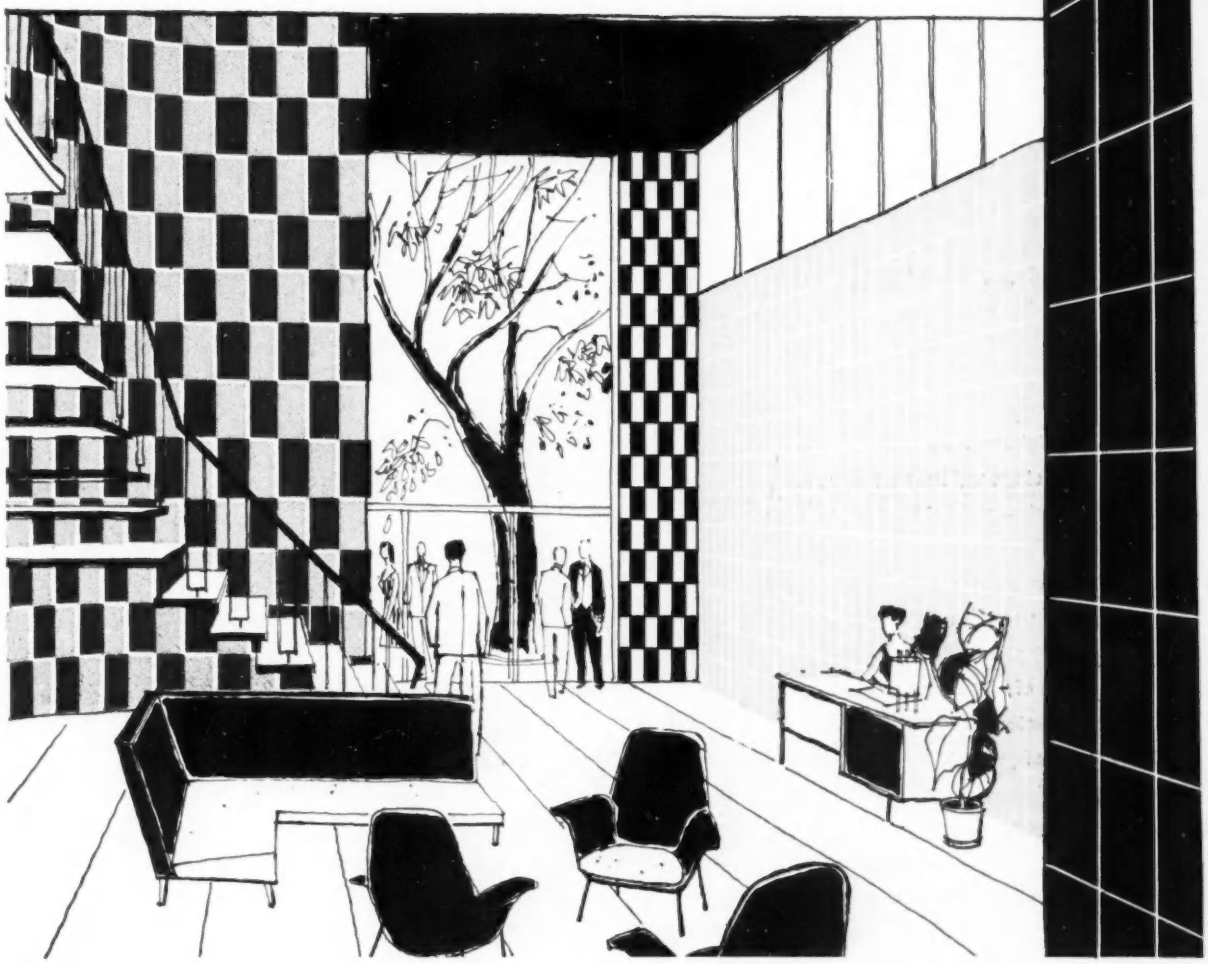

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A Successful Planning Appeal

Flats of Contemporary Design at Blackheath

THE MINISTER OF HOUSING AND LOCAL GOVERNMENT has allowed the appeal of Span Developments Ltd. against the refusal of the London County Council to permit the erection of a three-storey block of 23 flats, and a block of 10 maisonettes over 16 garages to the design of Mr. Eric Lyons, OBE, FRIBA, on land between Colonnade House and Paragon House, South-row, Blackheath, Lewisham. An inquiry in connection with the appeal (reported in 'The Builder' of January 29) was held at Lewisham Town Hall on January 13 and 14 before a Ministry of Housing and Local Government Inspector.

Span Developments Ltd. state that in preliminary discussions with the planning officers concerned, no suggestion was made that a present-day design was not appropriate to the site, and after a great deal of care and study a design was evolved which gave consideration to all the elements involved, and paid particular regard to the buildings of fine quality on either side. Rejecting the advice of the town planners and accepting the view of a section (of the LCC) called the Historical Buildings Section the Town Planning Committee of the London County Council rejected the application 'with a fine disregard of economics or public requirement, and directed that we should rebuild as was existing before the war.'

At the public inquiry the Town Planning Department of the London County Council was again not present, but someone from the Historical Section was. 'He produced a scheme,' Span state, 'which he wanted built, which did not agree with his own council's recommendation, and which had been discussed in detail with various bodies opposing our scheme, for some weeks, but which we were presented with on the morning of the hearing. A few days ago we received the Minister's approval to our scheme, and the reasons for his approval are worthy of study.'

At the public inquiry it was stated for the London County Council that the council did not take the view that the buildings that formerly occupied the site should be rebuilt identically, but they thought that what was required was a building which would represent the scale and symmetry of the adjoining buildings, and which would have the same internal proportions. The council's sketch design was intended to illustrate the type of building they had in mind, though it did not represent the only solution that would be accepted. Their scheme set out to achieve a building which might have been built in the late eighteenth century, and which would restore the sense of total composition as it existed before the war.

The Inspector's Report

In his report to the Minister the Inspector (Mr. E. W. Berridge, ARIBA, MTPI) accepted that the redevelopment of a site between buildings of so distinguished a character inevitably presented a difficult and controversial problem. In his view, however, the problem was not analogous to that of rebuilding so as to fill a gap in a terrace, or restoring a closely related symmetrical group of buildings, such as The Paragon, and he did not think that the circumstances were such as to justify the erection of so large a building, forming an entity in itself, in a style of architecture not representative of the present day. He thought that the effect of such a building would be to cast doubt on the authenticity of the adjacent buildings, and to assume an importance which it could neither justify nor sustain.

He saw no reason why a good contemporary building, sensitively detailed, should not take its place satisfactorily on the site, and he noted that no serious criticisms of the proposed building in itself had been raised; only to the design in relation to its site. He personally found the fenestration of the top pavilion nearest to Paragon House somewhat restless and the relation of this pavilion to the lower parts a little confused.

He understood that some modification of details had previously been discussed with the council, and he thought that these points might be given further consideration. He recommended that the appeal be allowed subject to the agreement of details.

The Minister sees no reason to dissent from the views expressed by the Inspector and accordingly he has decided to allow the appeal and he hereby grants permission for the development of the land in South-row, Lewisham, between Colonnade House and Pond-road by the erection thereon of one block of 23 flats and one block of 10 maisonettes with 16 garages under, generally in accordance with the drawings submitted, subject to the condition that the said buildings, and the means of access thereto, shall be sited and constructed in accordance with detailed plans, sections and elevations and of materials which shall be as may be agreed with the London County Council or, in default of agreement, as shall be determined by the Minister.

Commenting on the Minister's decision, the developers state:

'The fighting of the forces of bureaucratic control has meant a lot of delays in starting our work on various sites, innumerable planning appeals and all their attendant costs, but when we have the Minister directing that a style of architecture "representative of the present day" shall be built on a site which his Inspector calls ". . . of exceptional importance in its context between buildings of outstanding architectural merit," we begin to feel that the fight has been worthwhile.

'If you add the comment of the LCC, who described the site as forming part of the "most distinguished group of domestic buildings in London" we begin to hope that from now on we may find the path of all people who set out to work in the medium of the present day made easier. Similarly we hope it will discourage all the preservationist/obscurantist "prop-it-up-any-price faction," so that when serious-minded and thoughtful work is proposed they will remember that from now on the forces of law and order are not on their side.'

A perspective of the proposed new block of flats to be erected at Blackheath by Span Developments Ltd.

New Stockholm City Centre

Bold Approach to the Problem of Traffic Congestion

By J. Grindrod

COMPRISING, for the time being, an 18-storey skyscraper, the first of a series of five, and an indoor market-area with some 40 shops, a theatre, garages for over 300 cars, and so on, a new city centre is being developed at Stockholm, Sweden, and was inaugurated in the presence of King Gustaf Adolf last year.

The scheme will put an entirely new face on the central part of Stockholm round the Concert Hall and Hötorget (Haymarket) square, and will include department stores, shops and offices. The new 18-storey building, which is almost entirely glazed, is reminiscent in design and proportions of the UN headquarters in New York and provides extensive views of the entire town.

Included in the new city system is a three-storey underground town, with streets, footpaths, traffic signals, filling stations and spacious parking grounds for hundreds of cars and lorries. Several entrances and exits lead from the Haymarket underground station to the new city centre, making it easily accessible for visitors from all parts of Stockholm.

A special feature of the new shopping district is the creation on top of the two-storey jutting-out base of the high buildings, of gardens with trees, flower beds and fountains to be used as an oasis by city employees and shopping visitors. The centre is also to be richly adorned with mural paintings, mosaics, forged iron railings, and so on. The most spectacular piece of art work planned is a glass fountain, two storeys high, designed by the Orrefors designer and sculptor Edvin Öhrström. It is to be placed in the market hall and will be illuminated at night.

Extending from Hötorget down to Klarabergsgatan, the re-built area will form the new commercial centre of Stockholm, and constitutes the most important part of the re-development of Nedre Norrmalm (Lower Norrmalm) which is now taking place, the general aim being to provide the central working area of the town with a new hub. To this end, better traffic facilities are required on the one hand and new and effectively conceived buildings on the other.

The Underground Railway

The most important traffic improvement is provided by the underground railway which has recently linked up the western and southern systems. Work is also proceeding on yet another branch towards the south-west. From the underground central station (T-centralen) this will continue towards Östermalm. When the work is completed, both stations (Hötorget and T-centralen) will be used by about 300,000 people a day as they come into and out of the city via some 15 exits. Without this underground railway, it would not have been possible to cope with traffic peaks in the central area of the town.

For surface traffic, a new artery is to be built straight through Lower Norrmalm by widening Klarabergsgatan and Hamngatan from the present 8 metres to 36 metres. Klarabergsgatan will continue as a viaduct (now under construction) over Vasagatan, the railway yards and Klara sjö to Bolinders plan on Kungsholmen and swing off there towards Norr Mälarstrand. Sveavägen, now the widest street in the area, will be carried from Kungsgatan down to a new large traffic circus at Klarabergsgatan-Hamngatan, called, for the time being, Beridarbanan. There will also be a tunnel for motor traffic through the southern Klara districts to Tegelbacken.

These very extensive traffic installations are calculated to provide capacity for traffic twice as heavy as that of 1953 and thereby create the fundamental conditions necessary for a new and effective city area.

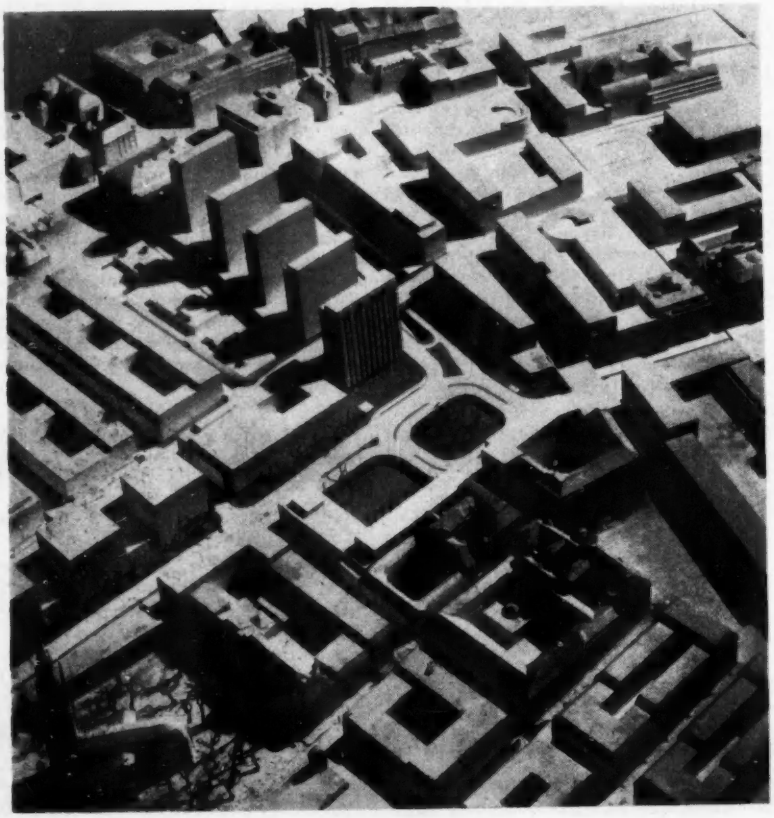
Lower Norrmalm which, to a large extent, consists of old, formerly residential, buildings on small plots, particularly in the Hötorget area, will be drastically re-modelled. In the place of them and their cramped backyards, there will be created a spacious city area where light and air will reach all buildings.

The dominating element in the townscape will be the five tall office buildings of 18 storeys, of which the first has now been erected. They will advertise the centre of Stockholm from afar and, by their concentration, make it possible for larger areas to be left free for pedestrians, strollers and shoppers. Thus, the new Sergelgatan, which goes from Hötorget down to the new traffic circus, Beridarbanan, is being built solely for the use of pedestrians.

Provision for Pedestrians

The heavy pedestrian traffic to and from the tube stations Hötorget and T-centralen will make Sergelgatan the foremost shopping street in Norrmalm. The shops there will be built two storeys above street level, as can already be seen at Hötorget, and will continue down to the fifth and southernmost multi-storey block at Beridarbanan.

But it will not be on the streets alone that pedestrians will be provided for. Attractive roof gardens laid out on the shop terraces (which can be reached by steps from different directions) will be mingled with the multi-storey buildings. The terraces on both sides of the pedestrian street will be connected by means of bridges to form a new kind of metropolitan park, where rest and relaxation can be enjoyed by those visiting or working in



A model of the new Stockholm City Centre

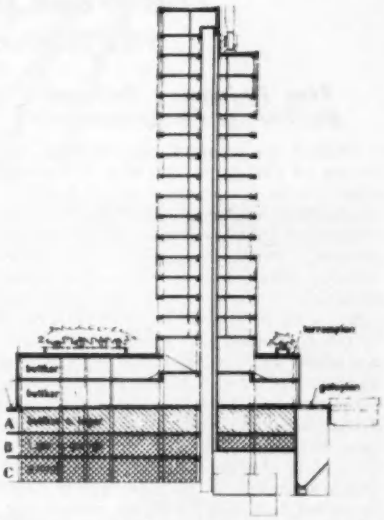
The central area of Stockholm. The black line encloses the area of the development plan. The underground railway is indicated by the broken line and extensions on which work is proceeding by the dotted line

the centre of Stockholm. There will, of course, be cafés on the terrace facing Slöjdgatan and the cinema building will have an ample foyer.

It would not be possible, however, to create this friendly pedestrian city milieu without the extensive use of space below ground both for parking and for the provisioning of the buildings. Therefore there will be built, under Sergelgatan, a traffic system in three levels with room for about 700 cars, a filling and service station and loading-platforms to the shop warehouses. In the first storey below street level at Hötorget, the old market-hall reappears in a new guise with escalators direct from the market square. There are at present two ramps, one from Slödjgatan and the other close to Konserthuset (the Concert Hall) and more are to be built. This underground traffic system enables the free space around Sergelgatan to be devoted exclusively to pedestrian traffic.

Similarly, the big traffic circus, Beridarbanan, in front of the last multi - storey building, will be built on two levels, so that pedestrian traffic will move entirely clear of vehicular traffic. This applies in particular to the crowds streaming from T-centralen (130,000 people per day). They will emerge direct from the ticket hall on to a lower market area complete with shops and flower-beds. In a wide circle above it, motor traffic will move, completely invisible to the pedestrians on the lower level. By means of escalators, pedestrians can then reach the usual side-walks around the traffic circus on the upper level. This is the proposal in principle and details are now being worked out.

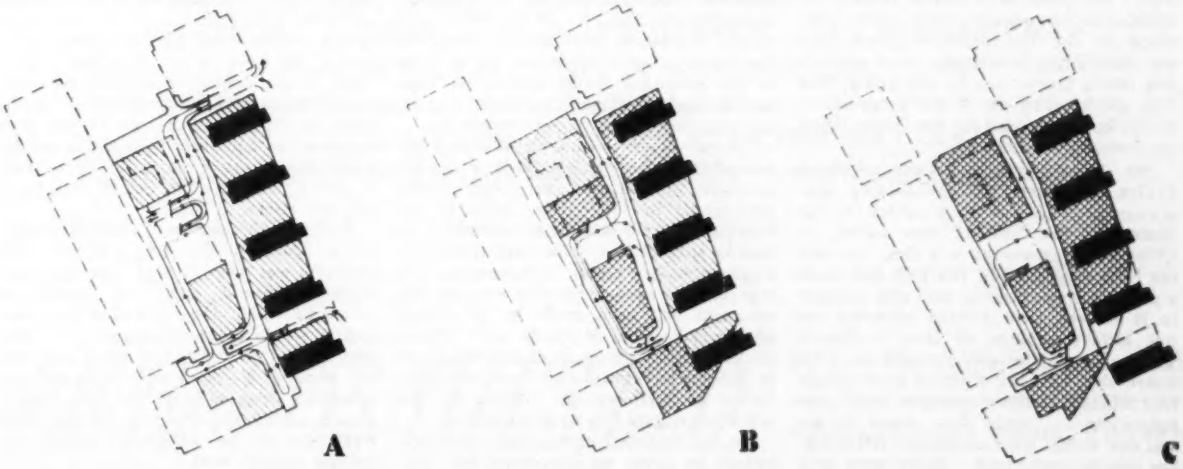
According to the development programme, Klarabergsgatan will be extended to Kungsholmen by 1960. The four remaining multi-storey buildings are now being designed by their respective architects and will be completed by 1962. The traffic circus, Beridarbanan, which will then be approximately half-finished, is expected to be completed by 1964, and an important phase in Stockholm's 'heart operation' will then have been carried through.



Section through the northernmost multi-storey building, with liftshaft, shops and basements A, B and C

The British Council

IN ITS ANNUAL report for 1958-59 the British Council surveys the work accomplished during the year. It places special emphasis on educational schemes which include help given to Ministries of Education, on request, over syllabuses, text-books, and methods of instruction; provision of special training courses for local teachers; library facilities; and the recruitment of British teachers for posts in Universities, teacher training colleges and schools. In a summary of the main tasks, Sir Paul Sinker, director-general, says, 'It is the British Council's role to extend the area of contacts beyond the normal limits and to forge contacts in the educational, scientific, professional and cultural worlds.' The report may be obtained from the Council at 65 Davies-street, W1, price 1s.



Hötorget underground area, showing basements A, B and C. Single diagonal lines indicate storage, cross hatching garages (see Section through building at top right of page)

The Week in Parliament

From Our Own Correspondent

The Primary School Building Programme

A DEBATE on primary education in the House of Commons on May 9 focused attention on the primary school building programme and the many minor works needed in the existing, older primary schools. When he replied SIR DAVID ECCLES, Minister of Education, drew attention to the fact that they were exhibiting in Milan a primary school built by the consortium in the Midlands which had done such good work. This would be on view at the Triennale, the great exhibition of design. So well known was British school building after the war that they were specially asked to do this. 'I have no doubt,' he said, 'that this school which we are building there will be seen by more than half a million people and will be a very fine symbol of the efforts that have been made by various Governments since the war to build up the techniques of our school building. We are making every possible effort to show this really worthy exhibit.'

Continuing, Sir David said he could record some excellent progress with existing buildings in installing electric light, sanitation, accommodation for school dinners and playing fields. 'As far as we can we shall increase the minor works programme but there is a practical difficulty,' he added. 'As members will know, minor works are very time consuming for architects and their staffs. It would be wrong to prejudice the new school building programme, especially at this time when it is so much larger than ever before. The major programme for school building is 20 per cent greater than ever before. To describe that as a cut is to make a rather curious use of words.'

Opposition Criticisms

For the Opposition, MR. ANTHONY GREENWOOD said that high interest rates, restrictions on capital expenditure, the rise in the cost of local government services, the operation of the block grant, combined with the Minister's rigid control of educational building—which made nonsense of the Government's claim that the block grant would give local authorities much greater say in managing their own affairs—had prevented a realisation of the hopes aroused by the White Paper on Secondary Education.

For 1960-61 local authorities asked for £117m. for their school building programmes. This was cut to £55m. by the Minister. For 1961-62 they asked for £97m. and this was cut to £60m. He said the National Union of Teachers had made a primary school survey and one example in it showed that modern planning did not always achieve all that it should. The report on a school built in 1958 stated that for '100 children (increasing), four teachers, three canteen staff, one supervisor . . . only three water closets and one urinal were available. All drainage was to septic tank. There were only three wash basins.'

Could not the Minister give local authorities more freedom in respect of minor works? He hoped the Minister would tell them that he proposed to increase the minor works allocation to £18m. and the present ceiling to £20,000.

Minister Answers Road Programme Critics

IN ITS REPORT last June on the trunk roads programme, the Select Committee on Estimates made the pungent criticism that the programme had been inadequately prepared. A special report from the Committee presented to Parliament on May 10 contains the observations of the present Minister of Transport, MR. ERNEST MARPLES, on this stricture and his comments on certain other recommendations which the Committee made to the then Minister, Mr. Harold Watkinson. The Committee had complained that research was begun too late and that one of the outcomes of the lack of a national roads plan had been over-emphasis on motorways through the countryside to the detriment of urban bottlenecks.

MR. MARPLES points out that the schemes to be included in the roads programme were determined according to clearly defined priorities based on traffic needs and weighted for industrial traffic. It was inevitable that in the first big expansion of the roads programme a few schemes which were ready were authorised slightly in advance of their strict priority but the importance from the programming point of view of having a large number of schemes in preparation was recognised at the outset, and there were now enough schemes in preparation conforming to the priorities set, to keep the trunk roads programme going for several years at an accelerated rate.

It had always been standard practice, said Mr. Marples, to make an assessment of future traffic growth when determining a road layout; in the rapidly changing and developing conditions of today the problem had been to make the assessment accurate. He indicated that a committee, including the Director of the Road Research Laboratory and County Surveyors, had been set up to advise on the revision of the standard memorandum on road layout and carriage capacities and it had recently made recommendations.

To encourage the use of new and improved materials and methods, a revised standard specification for road works was issued in 1957. The Ministry co-operated closely with the Laboratory in finding sites for full scale experiments on roads actually under construction. It was relevant to mention that considerable advances had been made in the design and construction of roads and bridges since the war as a result of the enterprise of engineers, contractors and manufacturers as well as the advice of the scientists engaged in road research.

On the recommendation that attention should be given to improving the relationship between the Ministry of Transport and the Road Research Laboratory, Mr. Marples said there would be consultation between the Ministry and the Laboratory on the designs and specifications proposed for all trunk road and motorway schemes costing over £500,000.

Commenting on the stricture that higher priority should be given to improving urban traffic conditions, the Minister said it was decided that improvement in the first place to the main cross-country network would bring a quicker and greater economic return. The present programme was built round the framework of five major projects designed to relieve long-distance traffic congestion where it was heaviest—the improved Great North Road, the motorway London-Birmingham-North West, London-South-East ports, Midlands-South Wales, London past London Airport to the West. A number of other main trunk roads were being substantially modernised, often by bypasses which removed through traffic from built-up areas. Substantial contributions were made to improving classified roads and over £80m. worth of these large schemes were in hand, authorised or in the programme for 1958-62.

The Minister also stated that he was reviewing the machinery for co-ordinating the progress of land acquisition with that of the preparatory work undertaken by agent authorities.

He had concluded that there was not at present sufficient evidence to show that motorways should be lighted. Future policy would be decided after further experience.

Financial Help for Builders

THE DETAILED intricacies of the Building Societies Bill were considered by the House of Lords on May 10 when LORD MILNER OF LEEDS moved an amendment to the clause setting out exemptions from the restrictions on special advances so that they would also cover not only dwellinghouses or flats which were in course of construction or have recently been constructed but those which 'it is proposed to construct.'

He said that in his experience builders made their arrangements with building societies beforehand and the clause as drawn would appear to limit their applications to cases where dwelling houses were in the course of construction and had recently been constructed. It would seem appropriate to include 'which it is proposed to construct' so that a builder might make the appropriate application to the Chief Registrar before constructing the house.

For the Government VISCOUNT HAILSHAM accepted the amendment. The position was that it was intended that societies should apply in respect of advances which they intended to make, and it would seem only reasonable that they should be allowed to apply not only in respect of intended advances but intended projects, and the amendment would enable the approval of the Chief Registrar to be obtained before the builder started work.

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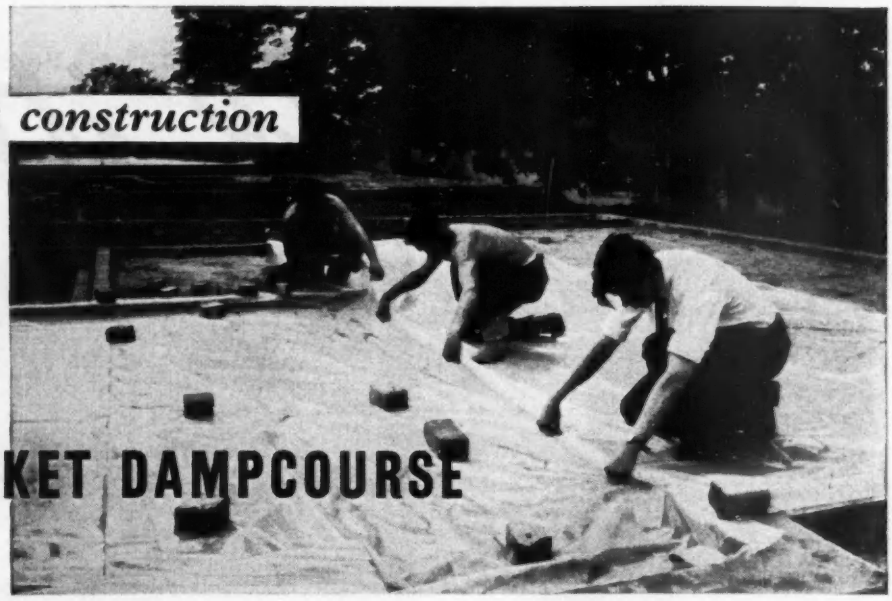

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B15.

limited the power to make the applications for exemption to cases where dwelling houses or flats were being or would be made available for renting by tenants. His second amendment was to extend the power to cases where builders proposed to erect houses for sale to owner-occupiers.

In this matter he looked with sympathy on the efforts of small builders. So often one saw large building contractors building huge estates and selling to owner-occupiers with the result that in many instances the small builder was being pushed out. In the provinces the small builder, the practical man, came along and wished to build 6 or 12 houses and applied to a building society for building advances. But he would be prevented by the limits of the Bill from obtaining any advance. It was desirable that the clause should be extended to what was called bridging finance and thereby enable small builders to apply to building societies for bridging finance to enable them to put up houses.

VISCOUNT HAILSHAM said he could not accept this amendment, which was subsequently negatived. The effect of accepting it, he pointed out, would be to exempt, or attempt to exempt, what was called bridging finance from the operation of the restrictions on special advances.

They all knew and accepted that bridging finance for builders was a perfectly reasonable form of activity for a building society. He would also concede that bridging finance—the finance of buildings that were being put up—had this merit—that it was not outstanding for very long and therefore the society was at risk for a shorter time in respect of such an advance. On the other hand he thought it would have to be conceded that property under construction had a more speculative element in its value than most other property and a building society could make a substantial loss if it advanced to a builder who, possibly through no fault of his own, but possibly otherwise, failed to sell the house quickly and for the price he expected to sell it, and as a result went bankrupt.

The desirability of societies being able to continue to help buildings in this way by way of bridging finance was one of the factors which led them to the decision to permit a proportion of special advances and not to prohibit them altogether. They had no reason to believe that societies would not have ample scope for advances by way of bridging finance to builders within the permitted limit already allowed for under the clause. Their view therefore was that there was no justification for giving advances of this kind and separate treatment from other advances. The Government felt the existing limits were sufficient.

Consulting Engineers or Highway Authorities?

REPLYING to questions on May 11, MR. JOHN HAY, Parliamentary Secretary, Ministry of Transport stated that West Riding County Council had recently made representations that it should become the Ministry's agents for the detailed preparation and supervision of the construction of the extension of the London-Yorkshire motorway to Sheffield and Leeds. These representations were still under consideration.

As regards the motorway from Crick to the Doncaster by-pass, he added that consulting engineers had already prepared a draft scheme. 'In accordance with our general policy, it is our intention that the further detailed preparation and the subsequent supervision of construction should also be undertaken by consulting engineers.'

MR. EDWIN WAINWRIGHT said he was shocked to hear that reply. The County Council had already carried out 51 miles of road building as agent and the work had been done satisfactorily. Would not the Minister take into consideration the work done by the West Riding County Council to make certain this authority was not pushed on one side for private enterprise?

Unification of Control

MR. HAY said there was no question of the West Riding County Council being pushed aside as it already had a heavy programme on its hands. The Minister had decided that schemes which traversed the area of more than one county council highway authority should in general be carried out by consulting engineers. When MR. A. ROBERTS said the County Council had carried out already a large amount of preliminary work and had the technical staff to deal with all aspects of major road construction, MR. HAY said they were well aware of the views held by highway authorities. 'The great advantage of using a consulting engineer in cases of this kind,' he added, 'is unification of control on the job. That is an extremely powerful factor for us to have in our support.'

In a written reply on May 10, MR. MARPLES, the Minister of Transport, said his department sent the County Councils Association in April a list of the motorway projects which had been completed, were being built or were under consideration. 'This followed representations to me about my general policy that consulting engineers should be appointed for motorway projects; it was intended to give individual county councils the opportunity to make representations in respect of any motorway where they felt that special circumstances existed which in their view would justify a departure from that policy.'

Other Business

Fire Safety Regulations

MR. A. E. COOPER asked the Minister of Labour on May 3, having regard to the severe losses sustained in industry by fire during 1959, what steps he proposed to take to improve safety regulations in factories.

MR. PETER THOMAS, Parliamentary Secretary, wrote: 'The Minister hopes to bring the fire provisions of the Factories Act, 1959, into operation during the second half of this year. He also intends to use powers given him by that Act and by earlier legislation to make regulations on fire prevention and other aspects of fire precautions. It is hoped to issue a preliminary draft of these regulations by the end of the year. My Department has already issued a number of advisory leaflets to factory occupiers on this subject.'

London Road Proposals

MR. MARPLES, Minister of Transport, indicated in a written reply on May 4 that he would direct his officers to examine the road proposals for London contained in the memorandum submitted to him by the British Road Federation and that he would be discussing the proposals with the LCC.

Sand and Gravel Extraction

MR. J. SLATER asked the Minister of Housing and Local Government on May 10, in view of the recognised need to deal with colliery slag-heaps and the action which had already been taken in this respect, if he would send a circular to all local authorities drawing their attention to the need for similar action in areas where sand and gravel was being extracted, in order to restore the land for other uses.

SIR KEITH JOSEPH, Parliamentary Secretary, wrote.—'No. Local planning authorities realise the need to restore land worked for these minerals, and commonly attach suitable conditions. The Department's memorandum on "Control of Mineral Working," a revised edition of which was sent to planning authorities last week, gives advice on this.'

Points from Replies

'Dual carriageways are ultimately proposed on the Glasgow-Greenock section of A.8, but I cannot yet say when it will be possible to authorise this work to start.' (*Scottish Office, May 3.*)

'The Secretary of State has appointed consulting engineers to review the line of the Larkhall-Hamilton-Uddingston bypass (A.74) which was fixed in 1954. He hopes to receive their report within the next three months. It is not possible at this stage to say when road works will start.' (*Scottish Office, May 3.*)

'13 Scottish schools either being built or at the planning stage are to have swimming baths.' (*Scottish Office, May 3.*)

'Capital investment by local authorities does not come within the scope of the measures to restrain the expansion of private credit which I announced on April 28. I therefore see no need for a statement on council house building loans and programmes.' (*Chancellor of the Exchequer, May 3.*)

'I have concluded with regret that the heavy cost of rebuilding the garrison church at Portsmouth could not be justified.' (*War Office, May 4.*)

'There is no evidence that the recently announced credit controls will adversely affect the industrial projects which are in hand or in prospect for the administrative county of Durham. According to the firms concerned these should provide at least 10,000 new jobs during the next few years.' (*Board of Trade, May 10.*)

THE BUILDER CURRENT PRICES

THE information given on these pages has been specially compiled for *The Builder* and is copyright. It is the intention that the details given should indicate fair average prices of materials, not necessarily the highest or the lowest. The prices apply to large quantities of materials loaded at works, delivered at London Stations or at site in London Area as stated. Prices for smaller quantities ex merchant's warehouse will necessarily be higher so as to include the stocking and handling costs involved. It is recommended that the prices of materials should be confirmed by inquiry from suppliers and merchants.

AGGREGATES AND SAND

Delivered site in full lorry loads. Average of prices for Boroughs of Westminster, Paddington, Holborn and St. Pancras.

		£	s.	d.
Pit Ballast	per yd.	1	5	5
Pit Sand	,,	1	3	8
Washed Sand	,,	1	6	9
¾ in. Shingle	,,	1	4	3
¾ in. Broken Brick	,,	1	0	9
Pan Breeze	,,	1	0	6
Fine or Coarse Foamed Slag Aggregate	per ton	3	8	0

2 yds. of fine and 2.6 yds. of coarse per ton.

CEMENT, etc.

Including non-returnable jute sacks or paper bags.

		£	s.	d.
Best British Portland Cement. Standard Specification delivered Charing Cross area.				
6-ton loads and upwards, site	per ton	5	10	0
1 to 6 tons, site	,,	6	2	0
Rapid-Hardening Cement in 6-ton loads and upwards to site	,,	6	0	6
1 to 6 tons do. site	,,	6	12	6
Aquacrete Water Repellent Cement. 32s. 6d. per ton on ordinary cement prices.				
Sulphate Resisting Cement. 32s. 6d. per ton on ordinary cement prices.				
Red, Buff or Khaki Colorcrete in 6-ton lots	,,	8	10	0
Other colours according to colour.				
In 4-ton lots from 308s. 0d. to 778s. 0d. per ton.				
White Portland Cement	,,	13	15	6
Under 1 ton	per cwt.		16	9
417 Cement (Ultra Rapid Hardening) in 6-ton lots and upwards	per ton	7	2	6
Super Cement (Waterproof), 32s. 6d. per ton above Portland Cement.				
Cullamix Tyrolean Finish, £11 8s. 0d. to £14 3s. 0d. (1-ton loads and upwards.)				
Lightning and Ciment Fondu Brands High Aluminous cement, 6-ton lots and up	,,	15	14	6
Stourbridge Fireclay, 6-ton loads at Railway Depot, London	,,	6	19	0
Stourbridge Fireclay, 6-ton loads (London sites)	,,	7	7	0
Moler Mortar Powder for Flue Bricks (London sites)	per cwt.	1	10	0

BRICKS

Full Loads.		£	s.	d.
First Hard Stocks	per 1,000	15	19	6
Second Hard Stocks	,,	14	3	6
Mild Stocks (Kiln Burnt)	,,	10	5	0
Mild Stocks	,,	10	0	0

All loaded free into lorry at the works. The question of haulage is still very difficult and prices must be obtained from job to job.

		£	s.	d.
2½ in. Nominal Fletton Bricks to sites in W.C. district:				
Commons	,,	5	18	0
Cellular Commons	,,	5	18	0
Keyed do.	,,	6	0	0
Rustics	,,	7	10	0
Cellular Rustics	,,	7	10	0
Single Bullnose Commons	,,	7	12	6
Sandfaced	,,	8	10	0
Tuscans	,,	9	5	0
Saxons	,,	9	13	0
Golden Buffs	,,	10	0	0
Dapple Light Facings	,,	10	7	6
Heather Facings	,,	10	3	0
Best Blue Pressed Staffs (London stations)	,,	30	12	6
do. do. (London sites)	,,	30	14	0
do. Bullnose (London stations)	,,	31	11	6
do. do. (London sites)	,,	31	13	0
Blue Wire Cuts (London stations)	,,	27	5	0
do. do. (London sites)	,,	27	6	6
Midhurst Lime Bricks (London sites)	,,	11	0	6
Uxbridge Whites (London sites)	,,	10	19	0
Special Purpose Sandlime Bricks (London sites)	,,	8	12	0
Best Stourbridge Fire Bricks:				
2½ in. (London stations)	,,	30	12	3
2½ in. (London sites)	,,	31	1	0
3 in. (London stations)	per 1,000	36	14	9
3 in. (London sites)	,,	37	5	3
2½ in. Moler Flue Bricks (London sites)	,,	31	10	0
2½ in. Machine-made Sandfaced Red Facings (London sites)	,,	17	7	6
2½ in. Machine-made Multi Red Facings (London sites)	,,	17	12	6
2½ in. Hand-made Sandfaced Red Facings (London sites)	,,	18	17	6
2½ in. Hand-made Sandfaced Multi-Colour Facings (London sites)	,,	18	17	6
Hand-made Sandfaced Cherry Red Facings, Berkshire district (London sites)	,,	19	13	0
Hand-made Sandfaced Multi-Colour Facings, Berkshire district (London sites)	,,	19	13	0
Rubber Bricks for gauged arches (London sites)	,,	49	1	3
2½ in. Surrey Clamp Burnt Multi Stock Facings (London sites)	,,	15	6	6
2½ in. Surrey Kiln Burnt Multi Stock Facings (London sites)	,,	16	7	0
Glazed Bricks (London sites), White, Ivory, Brown:				
Stretchers	,,	64	0	0
Headers	,,	63	0	0
Quoins, Bullnose and 4½ in. Flats	,,	80	0	0
Double Stretchers	,,	85	0	0
Double Headers	,,	77	10	0
One side and two ends	,,	87	0	0
Two sides and one end	,,	89	10	0
Splays and Squints	,,	83	0	0

Cream and Buff, £3 extra over White. Other colours, hard glaze, £8 10s. 0d extra over White. All above prices plus 32½% for Best quality and plus 32½% less 10% for Second quality.

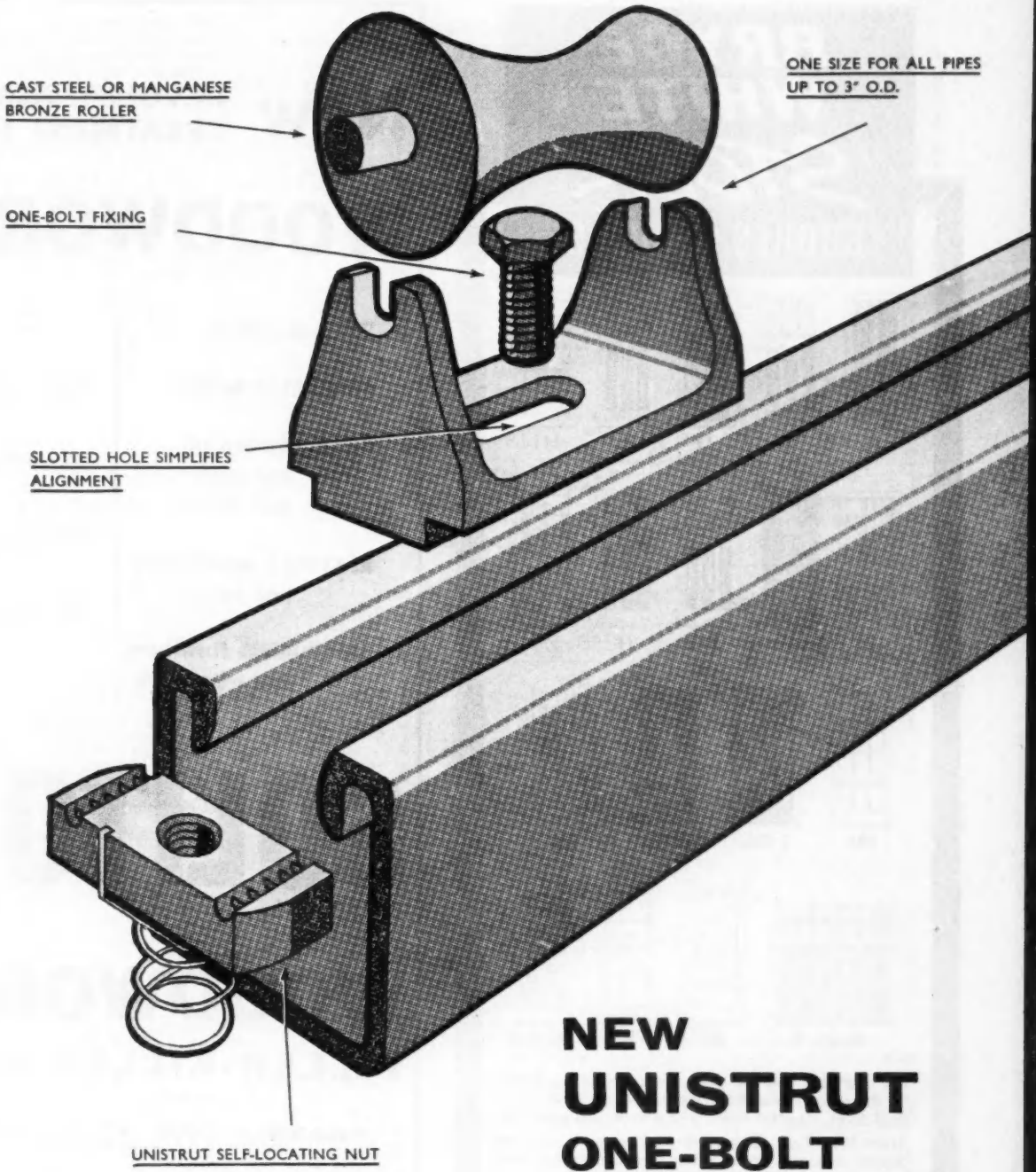
PARTITION SLABS, etc.

Delivered Central London Area. (W.C. District.)

			£	s.	d.
HOLLOW CLAY PARTITION BLOCKS (Keyed)					
Minimum lorry loads					
*2½ in.	140 yds.	per yd. sup.		4	5
BUILDING BLOCKS (Keyed)					
*3 in. (6 cavity)	110 yds.	,,		5	5
*4 in. (6 cavity)	90 yds.	,,		6	10
6 in. (8¾ in. × 5½ in.)	1,250 blocks	per 1,000	26	18	0

* Half blocks at no extra charge.

CLINKER CONCRETE					
2 in.	100 yds.	per yd. sup.		3	9
2½ in.	85 yds.	,,		4	4
3 in.	75 yds.	,,		5	3
4 in.	55 yds.	,,		6	5
CRANHAM TERRA COTTA					
2 in.		,,		6	9
2½ in.		,,		7	9
3 in. Load bearing quality		,,		8	9
4 in. do. do.		,,		10	9
MOLER PARTITION BLOCKS					
2 in.	150 yds.	,,		11	3
2½ in.	120 yds.	,,		14	0
3 in.	100 yds.	,,		15	0
4 in.	90 yds.	,,		17	0
LIGHTWEIGHT CONCRETE BUILDING AND PARTITION BLOCKS OF VARIOUS SOURCES OF MANUFACTURE					
2 in.	100 yds.	per yd. sup.		5	4
2½ in.	80 yds.	,,		6	5
3 in.	65 yds.	,,		7	5
4 in.	50 yds.	,,		9	4
4½ in.	44 yds.	,,		10	2
6 in.	33 yds.	,,		13	5
THERMALITE-YTONG PARTITION BLOCKS					
2½ in.	144 yds.	,,		7	0
THERMALITE-YTONG LOAD-BEARING INSULATING BLOCKS					
3 in.	120 yds.	per yd. sup.		8	5
4 in.	90 yds.	,,		11	0
5 in.	72 yds.	,,		13	9
6 in.	60 yds.	,,		16	6
8½ in.	42 yds.	,,	1	3	8
FLOOR BLOCKS AND FILLER TILES					
Floor Blocks 12 in. × 12 in. delivered in full lorry-loads:					
3 in.		per 1,000	34	1	0
4 in.		,,	36	10	0
5 in.		,,	43	15	0
6 in.		,,	49	19	0
7 in.		,,	61	8	0
8 in.		,,	71	19	0
9 in.		,,	79	3	0
10 in.		,,	87	15	0
Filler Tiles in multiples of 10 tiles per 1,000 multiples:					
12 in. × 3 in. × ⅝ in.		,,	42	15	0
12 in. × 4 in. × ⅝ in.		,,	73	15	0
10 in. × 5 in. × ⅝ in.		,,	73	15	0



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Small pipe installation is now even faster and cheaper with the Unistrut system. This new roller is particularly easy to attach to the Unistrut support framing and also facilitates alignment of the runs.

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Roller and chair are normally of cast steel; a manganese bronze roller is supplied for use with copper pipe.

UNI 713

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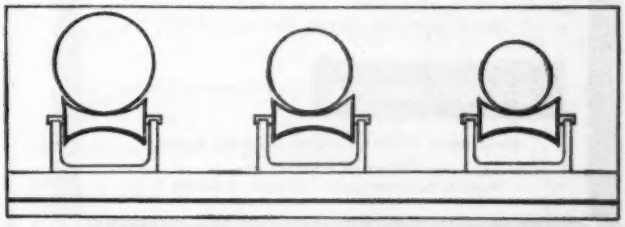

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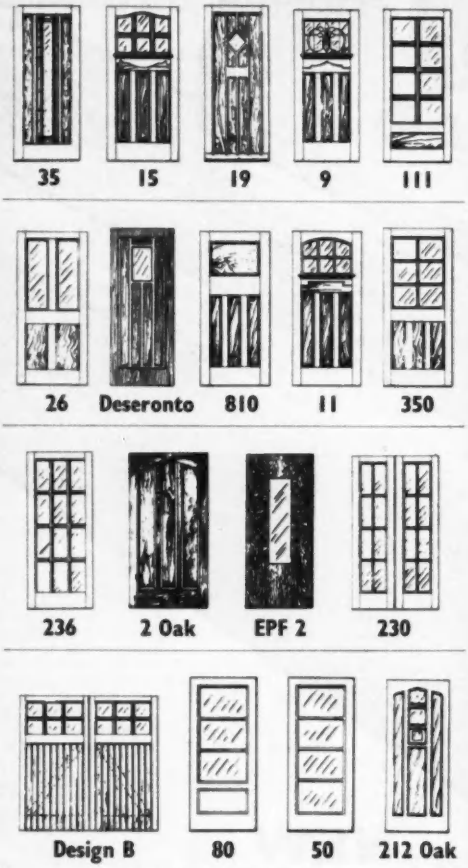
SCORES OF DOORS



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RESTORES appearance and value

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MINI-KIT	**7/6**	*sufficient for a small suite of furniture*
HOUSEHOLD	**17/6**	*contains 4 times the quantity of the Mini-kit*
BUILDER'S	**5 gns**	*8 times the quantity of the Household Kit*

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STONEWARE DRAIN PIPES, etc.

The following are the percentages to be added to the Revised Standard List (Nov., 1956) prices delivered London Area.
Delivered ex Merchants Wharf or Depot.

	Over 2 tons	Over 100 pieces Under 2 tons	Under 100 pieces Under 2 tons
Best Quality ...	−10%	+5%	+12½%
BSS Best Quality...	+10% −10%	+10% +5%	+10% +12½%
Tested Quality ...	+37½% −10%	+37½% +5%	+37½% +12½%
BSS Tested Quality	+47½% −10%	+47½% +5%	+47½% +12½%

		£	s.	d.
3 in. Land Drain Pipes (in 12 in. lengths)	per 1,000	11	18	6
4 in. do. do.	,,	15	19	6
6 in. do. do.	,,	32	19	0
9 in. do. do.	,,	62	9	0

DAMP COURSE

		£	s.	d.
Hessian base bitumen 7 lb. per yd. sup. in 24 ft. rolls cut to wall widths in lots of £6 value and over delivered London area	per yd. sup.		3	2
Asbestos base do. 7 lb. per yd. sup. do. do.	,,		5	2
Lead lined bitumen do. 9½ lb. per yd. sup. do. do.	,,		12	2
18 in. × 9 in. British damp course slates	per 1,000	43	8	11
14 in. × 9 in. do. do.	,,	32	8	2
9 in. × 9 in. do. do.	,,	18	18	9
18 in. × 4½ in. do. do.	,,	19	19	9
14 in. × 4½ in. do. do.	,,	15	18	3
9 in. × 4½ in. do. do.	,,	10	14	3

STONE

		£	s.	d.
Bath Stone				
Monks Park	per ft. cube		10	3
St. Aldhelm Box Ground	,,		11	6
Delivered in railway trucks at South Lambeth B.R. Western Region.				
Doulting Stone Random Blocks. Delivered London area	,,		10	10
Beer Stone. Delivered London area	,,		10	6
Portland Stone—				
Brown Whitbed in random blocks, 25 ft. average delivered in railway trucks at Nine Elms, B.R. Southern Region	,,		9	10
Yorkshire Stone—Blue Robin Hood Quality. Delivered to site London in 6-ton lots.				
9 in. × 3 in. Rubbed, weathered, throated and stolled cills	per ft. cube	4	5	10
12 in. × 6 in. do. do. do.	,,	3	1	2
12 in. × 3 in. Plain coping, twice throated	,,	2	7	6
12 in. × 3 in. Weathered and twice throated coping	,,	3	3	3
14 in. × 6 in. do. do. do.	,,	2	17	0
4½ in. × 9 in. Plinth rubbed on top and face ...	,,	2	11	0
3 in. sawn two sides Slabs, random sizes ...	per ft. sup.		9	1
Templates and Cover Stones, 3 in., 4 in. and 6 in. thick, edges coped for rendered brickwork ...	per ft. cube	1	11	3
do. do. fair one edge for fair faced brickwork	,,	1	17	0
Hard York—				
12 in. × 2 in. Square Steps, rubbed on top and edge	per ft. run		11	0
14 in. × 3 in. Round-nosed Steps, rubbed on top and front	per ft. cube	2	18	3
12 in. × 6 in. Plain Steps, rubbed top and front	,,	2	11	0
2 in. Rubbed and Jointed Paving, given sizes ...	per ft. sup.		10	3
2 in. Sawn Paving, edges squared, in random sizes	per yd. sup.	3	12	0

TILES AND PANTILES

Delivered London area by road in 6 tons or over per 1,000.

	£	s.	d.
Machine-made Pantiles and French pattern Tiles from Lincolnshire district	29	19	0
Hand-made Pantiles Berkshire district	55	18	0
Hand-made Double Roman Bridgwater district ...	64	4	1
Hand-made 10½ × 6½ tiles Berkshire district	15	18	3
Machine-made 10½ × 6½ Staffordshire district	15	2	6
Hand-made Hip and Valley tiles per doz.	1	11	10
Machine-made Hip and Valley tiles do.	1	10	1
Concrete tiles 10½ × 6½	8	10	0
do. Interlocking (49S)	19	16	6

NOTE.—Breakage in transit, purchasers' responsibility.

SLATES

First-quality Slates from Penrhyn or Portmadoc, carriage paid in full truck loads to London Rate station. Per 1,000 actual.

	£	s.	d.
24 × 12	150	19	7
22 × 12	122	14	2
22 × 11	110	16	4
20 × 12	103	19	1
20 × 10	99	11	6
18 × 10	69	2	6
18 × 9	60	11	9
16 × 10	54	8	10
16 × 8	42	12	4

NOTE.—Breakage in transit, purchasers' responsibility.

TIMBER

		Ex Wharf	per standard	£	s.	d.
Softwood						
Joinery quality		do.	,,	£115 to £140		
Carcassing quality		do.	,,	£94 — £98		
1 in. Tongued and Grooved Flooring		do.	,,	£110	0	0
Hardwood				£	s.	d.
Mahogany—	African S.E.	do.	per ft. cube	1	10	0
do.	Honduras S.E.	do.	,,	3	5	0
Oak	European S.E.	do.	,,	2	10	0
do.	Japanese S.E.	do.	,,	3	0	0
do.	English Logs sawn ...	do.	,,	2	0	0
Teak	8 in. average S.E. ...	do.	,,	3	17	6
Walnut	African Logs sawn ...	do.	,,	1	2	6

DOORS (in Lots 1–11)

Delivered London area.

		£	s.	d.
1½ in. 4 Horizontal Panel. Pattern 4 in. deal				
2 ft. 0 in. × 6 ft. 6 in.	each	1	16	0
2 ft. 3 in. × 6 ft. 6 in.	,,	1	17	6
2 ft. 6 in. × 6 ft. 6 in.	,,	1	18	6
2 ft. 9 in. × 6 ft. 6 in.	,,	2	0	6
2 in. do. but top panel open. Pattern 4 × G in deal				
2 ft. 6 in. × 6 ft. 6 in.	,,	2	9	0
2 ft. 9 in. × 6 ft. 6 in.	,,	2	11	6
2 in. 2 Panel top panel open. Pattern 2 × G in deal				
2 ft. 6 in. × 6 ft. 6 in.	,,	2	3	0
2 ft. 9 in. × 6 ft. 6 in.	,,	2	5	0

SUNDRIES

Delivered London area.

		£	s.	d.
1 in. Wood Wool Slabs 6 ft. 0 in. × 2 ft. 0 in. in quantities of 1 ton (89 yds. to 1 ton)	per yd.		6	2
1½ in. do. (67 yds. to 1 ton)	,,		8	0
2 in. do. (52 yds. to 1 ton)	,,		9	9½
2½ in. do. (45 yds. to 1 ton)	,,		11	3
3 in. do. (39 yds. to 1 ton)	,,		12	7½
Quantities under 1 ton add 1d. per ½ in. of thickness.				
½ in. imported insulation Board, quantities over 5,000 sq. ft.	per 100 sq. ft.	2	2	6
⅛ in. Hardboard do.	,,	1	17	6
5/16 in. do. do.	,,	2	4	6
1/16 in. Asbestos Flat Building Sheets	per yd. sup.		4	3½
¼ in. do. do. do.	,,		6	0
Roofing Felt 1-ply	,,		1	9
do. 2-ply	,,		2	2½
Best Scotch Glue in slabs	per ½ cwt.	5	8	0
do. pearl	,,	5	8	0
Croid Glue	28 lb.	2	6	0
Cut Nails 3 in. (1-ton lots)	per ton	78	10	0
do. 4 in. and up (1-ton lots)	,,	75	0	0
Wire Nails 3 in. (4-cwt. lots)	per cwt.	3	13	5
do. 4 in. and up (4-cwt. lots)	,,	3	12	10

METALS

STEEL JOIST, ETC.

		£	s.	d.
Basis Joists— 6 in. × 5 in., 8 in. × 5 in., 8 in. × 6 in., 10 in. × 6 in., 12 in. × 6 in., plain cut to lengths delivered London area	per ton	47	15	0
Extra for sizes				
3 in. × 1½ in. 4 in. × 1½ in.	,,	3	10	0
3 in. × 3 in.	,,	2	10	0
4 in. × 3 in.	,,	2	5	0
10 in. × 4½ in.	,,	1	10	0
5 in. × 2½ in. 5 in. × 3 in.	,,	1	15	0
4½ in. × 1½ in.	,,	3	5	0
5 in. × 4½ in. 7 in. × 3½ in. 13 in. × 5 in. ...	,,		15	0
6 in. × 3 in. 24 in. × 7½ in.	,,	2	0	0
6 in. × 4½ in. 7 in. × 4 in. 8 in. × 4 in. } 9 in. × 4 in. 10 in. × 5 in. }	,,	1	5	0
12 in. × 5 in. 22 in. × 7 in.	,,	1	0	0
9 in. × 7 in. 10 in. × 8 in. 12 in. × 8 in. } 14 in. × 5½ in. 14 in. × 6 in. 14 in. × 8 in. } 15 in. × 5 in. 15 in. × 6 in. 16 in. × 6 in. } 16 in. × 8 in. 18 in. × 6 in. 18 in. × 7 in. } 18 in. × 8 in. 20 in. × 6½ in. 20 in. × 7½ in. }	,,		10	0
Steel angles average price	,,	48	15	0
Steel tees average price	,,	49	15	0
Fabricated work delivered London—				
R.S. Joists cut and fitted	,,	64	15	0
Compound girders	,,	69	5	0
Stanchions	,,	74	15	0
Compound stanchions	,,	79	5	0
In Roof Work—Trusses and Purlins	,,	89	0	0
Average prices not for awkward work.				
Angle cleats and ⅝ in., ¾ in. and ⅞ in. bolts average price London area	per cwt.	5	10	0

FERRO-CONCRETE BARS

		£	s.	d.
Mild Steel Ferro-Concrete bars British manufacture to BSS785 ex London Stock 1 in. diam., and upwards	per ton	49	10	0
¾ in. diam.	per ton extra	8	12	6
5/16 in. do.	,,	6	12	6
⅜ in. do.	,,	4	12	6
½ in. do.	,,	3	2	6
⅝ in. do.	,,	1	10	0
⅞ in. and ¾ in. diam.	,,		15	0

MILD STEEL TUBE

Tubes to BSS 1387—1957 and Fittings. *Revised* list prices and following discounts :

Galvanised Tube—	Under 1 ton	Over 1 ton	W.I. Fittings	Malleable Fittings
Light	−39½%	−41%	Light −26½%	Malleable List
Medium	−35½%	−37%	Heavy −22½%	−23% + 40%
Heavy	−27½%	−29½%		
Black—				
Light	−50%	−51½%	Light −32½%	Malleable List
Medium	−46%	−47½%	Heavy −28½%	−23%
Heavy	−38½%	−40%		

C.I. HALF-ROUND GUTTER

Delivered London per yd. in 6 ft. lengths.

	Gutters	Nozzles	Stop Ends
3 in.	4/0½	3/7	1/-
3½ in.	4/4½	3/1	1/-
4 in.	5/8	4/5	1/7
4½ in.	6/3	4/11	1/1
5 in.	6/11½	5/4	2/2

METALS—*continued*

C.I.O.G. Gutters

Per yd. in 6-ft. lengths :	Gutters	Nozzle	Stop Ends
3 in.	5/2½	4/8	1/3
3½ in.	5/10	4/8	1/7
4 in.	6/5	4/11	1/10
4½ in.	6/11½	5/8	2/2
5 in.	7/7½	6/5	2/6

C.I. Rain-Water Pipes

	Pipe	Bends	Branches
2 in.	8/7½	4/5	6/4
2½ in.	8/7½	4/11	8/6
3 in.	9/8½	6/2	9/2
3½ in.	11/0½	7/3	11/–
4 in.	12/9	8/9	13/1

L.C.C. Coated Soil Pipe

2 in.	9/8½	7/7	9/2
2½ in.	10/4	8/5	11/5
3 in.	11/7	9/2	13/7
3½ in.	12/11½	11/5	15/10
4 in.	14/9	12/9	18/8

Above prices for gutters, rain-water and soil pipes for under 5-cwt. lots. only. Lots over 5 cwt. see List No. 3300, dated February 1, 1955, plus 25% and tonnage allowance. 4-ton lots 5%, 2-ton lots 2½%.

L.C.C. Coated Drain Pipes

In 9-fts.:	cwt. qt. lb.	Per yd.	Bends	Branches
4 in.	1 1 17	35/3	23/9	42/–
6 in.	2 0 1	51/7	63/9	101/–

Asbestos Rain-Water Pipes and Fittings

All less 17½% discount.

		2 in.	2½ in.	3 in.	4 in.
Pipes, 6-ft. lengths	per yd.	4/7	4/10½	5/11	7/10
Shoes	each	3/–	3/3	3/10	5/2
Single Branches	,,	4/8	5/6	6/7	9/2
Bends, square or obtuse	,,	3/3	3/7	4/8	6/7
Swan Necks, 4½ in. proj.	,,	3/7	4/8	5/2	7/3
do. 6 in do.	,,	3/10	5/2	5/10	7/10

Asbestos O.G. Gutters and Fittings

		4 in.	4½ in.	5 in.	6 in.
Gutters, 6-ft. lengths	per yd.	4/4	4/9½	5/9	6/10½
Drop ends	each	3/6	4/–	4/9	5/5
Stop ends	,,	1/1	1/2	1/3	1/5
Angles	,,	3/7	4/1	5/–	5/10
Nozzles	,,	3/6	4/–	4/9	5/–
Union Clips	,,	1/9	2/1	2/6	2/11

Asbestos Half-Round Gutters and Fittings

		3 in.	4 in.	4½ in.	5 in.	6 in.
Gutters, 6-ft. lengths	per yd.	3/0½	3/7½	3/8½	4/4½	6/1
Drop ends	each	2/6	3/–	3/3	3/7	5/2
Stop ends	,,	1/–	1/1	1/2	1/3	1/5
Angles	,,	2/10	3/3	3/7	3/10	5/2
Nozzles	,,	2/6	3/–	3/3	3/7	5/2
Union Clips	,,	1/3	1/4	1/5	1/7	2/5

	Per ton basis in London £ s. d.
Iron—Staffordshire Crown Merchant Quality	52 17 6
Mild Steel Bars	47 8 6
Mild Steel Hoops	49 0 0

	Ex Merchant's Stock per ton Two-ton lots £ s. d.
Soft Sheets C.R. and C.A.—	
20 gauge	62 7 6
24 gauge	64 17 6
26 gauge	67 17 6
Galvanised Corrguated Sheets, 6-ft. to 9-ft. —	
20 gauge	70 18 0
24 gauge	74 8 0
26 gauge	79 13 0
Galvanised Flat Sheets C.R. and C.A. :	
20 gauge	72 8 0
24 gauge	75 18 0
26 gauge	81 3 0

ALUMINIUM AND ALUMINIUM ALLOYS

(Base Prices)		£ s. d.
Sheet BS 1740 S1C 18 SWG (36 in. wide)	per lb.	3 0
Sheet BS 1470 NS3 Utility 18 SWG (36 in. wide)	,,	2 11
Coiled strip BS 1470 S1C 18 SWG (24 in. wide)	,,	2 11
Coiled strip BS 1470 NS3 Utility 18 SWG (24 in. wide)	,,	2 10½
Coiled strip for flashing, high purity, 22 SWG (12 in wide)	,,	3 1½
Corrugated sheet BS 1470 NS3 Circular Profile 8 ft. × 32 in. × 20 SWG	per sheet	1 13 6
Corrugated sheet BS 1470 NS3 Industrial Profile 8 ft. × 31¾ in. × 20 SWG	,,	1 19 3
Corrugated sheet BS 1470 NS3 Mansard Profile 8 ft. × 31¾ in. × 20 SWG	,,	1 12 7
Extruded section BS 1476 E1C simple moulding	per lb.	2 10
Extruded section BS 1476 E1C 1 in. diam. round	,,	2 7½
Extruded section BS 1476 HE10WP simple angle	,,	3 1½
Extruded section BS 1476 HE10WP 1 in. diam. round	,,	3 0½
Tubing BS 1471 T1C 1½ in. O/D × 20 SWG	,,	4 6½
Tubing BS 1471 HT19WP 1½ in. O/D × 20 SWG	,,	5 0½

PLUMBERS' BRASS WORK, etc.

Delivered in London area.

All per dozen	M.O.H. ½ in.	¾ in.	1 in.	1¼ in.	1½ in.	2 in.
Screwdown bib cocks Crutch head for iron	87/–	128/–	—	—	—	—
Toilet bib cocks for iron	109/–	158/5	—	—	—	—
Screwdown stop cocks for iron	66/–	95/9	188/–	363/–	522/6	917/6
do. with two unions for lead	89/–	132/–	234/4	472/–	623/6	1,389/6
Double nut boiler screws	18/8	26/5	47/6	48/6	67/–	93/6
Heavy Croydon ball valves	77/–	193/6	312/5	568/8	734/10	—
Plumbers' union brass lead to iron	19/6	23/6	38/6	52/10	70/6	165/–
	1¼ in.	1½ in.	2 in.	3 in.	3½ in.	4in.
Caps and Screws	33/–	40/8	59/6	92/5	118/10	155/3
Brass Sleeves	—	31/11	31/11	56/2	74/10	91/5
	1¼ × 6 lb.	1½ × 6 lb.	2 × 7 lb.	3 × 7 lb.		
Lead P. trap with brass cleaning screws	68/6	85/6	137/–	233/9		
Lead S. trap do. do.	82/9	102/9	168/3	302/3		

Solder :				s. d.
Plumbers'	1 cwt. lots	320/–	14 lb. lots per lb.	3 7
Tinmen's	,, ,,	404/–	,, ,, ,,	4 5
Blow pipe	,, ,,	407/–	,, ,, ,,	4 6

Copper Tubes and Sheets

Copper tubes BSS 659/1944 on the basic price of 29d. per lb plus gauge and manufacturing extras as follows. Minimum quantities, 10 cwt.

	Extra d.	Total per lb. d.	Approx. per ft. d.
⅛ in. × 19 gauge	15½	44½	12
¼ in. × 19 ,,	13¾	42¾	16¾
1 in. × 18 ,,	12½	41½	25½
1¼ in. × 18 ,,	11⅝	40⅝	30¾
1½ in. × 18 ,,	11⅝	40⅝	37
2 in. × 17 ,,	13½	42½	59½

Small Quantity extras :—

10 cwts. to 5 cwts.	plus ½d. per lb.
5 cwts. to 2 cwts.	,, 1d. ,,
2 cwts. to 1 cwt.	,, 2d. ,,

	£ s. d.
Rolled Copper sheets up to 48 in. wide, basic price plus gauge and manufacturing extras	285 5 0

Zinc

		£ s. d.
Sheet Zinc, 10 gauge (25 SWG), 5 cwt. lots upwards	per cwt.	7 15 3
,, ,, 12 gauge (23 SWG), ,, ,, ,,	,,	7 14 9
,, ,, 14 gauge (21 SWG), ,, ,, ,,	,,	7 13 6

Brass Tubes

Brass tubes, basic price, plus gauge and manufacturing extras	per lb.	2 0½

LEAD SHEET AND PIPES

Basis selling price to one address in London or Home Counties :

		£ s. d.
Lead Sheet, English, 3½ lb. substance and upwards	per ton	115 15 0
,, Water Pipe, in coils	,,	118 0 0
Lead Soil Pipe, 10 ft. or over 2 in. to 4 in. in dia.	,,	119 10 0
,, ,, ,, over 4 in. dia.	,,	121 10 0
,, Gas or Untinned Compo pipe	,,	119 10 0

5 cwt. lots and over less 6d. per cwt. off basic prices.

Extras over Basis for quantities under 5 cwt.:		
3 cwt. and under 5 cwt.	per cwt.	4 0
1 cwt. do. 3 cwt.	,,	6 0

Smaller quantities than 1 cwt. priced specially.

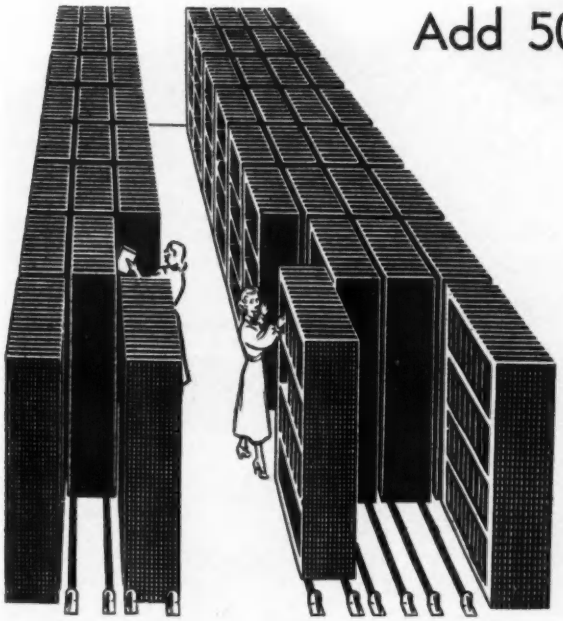
Supplying sheet lead and lead pipe to less than basis weights and cutting to sizes less than basis charged extra according to current trade schedule.

Allowance for Old Lead, collected, £66 0s. 0d. per ton weighed at buyer's works.

PLASTER, etc.

		£ s. d.
Coarse Pink in 1-ton loads and over delivered on site	per ton	8 4 6
do. White do. do. do.	,,	8 14 0
Sirapite Coarse BSS 1191 Class C do.	,,	8 15 9
do. Fine do. do. do.	,,	9 3 3
do. Browning BSS 1191 Class B do.	,,	8 15 9
do. Board Finish do. do.	,,	8 15 9
Blue Lias Lime, in 6-ton loads	,,	6 11 6
Hydrated Lime (Grey), in 6-ton loads	,,	5 10 0
do. (White) do.	,,	6 0 0
Lump Lime (Grey) do.	,,	5 7 0
do. (White) do.	,,	5 11 6
White Keen's or Parian Cement, in 1-ton loads	,,	11 19 3
Pink Keen's or Parian Cement, in 1-ton loads	,,	11 14 0
Granite Chips, in 6-ton loads	,,	2 5 3
Hair	per cwt.	4 17 6
Gypsum Plaster Lath or Base Board, ⅜ in. thick, 600 yds. and over in one delivery. Delivered site	per yd.	2 3½
1,200 yds.	,,	2 2½
do. Insulating do. ⅜ in. thick, 600 yds. and over in one delivery. Delivered site	,,	2 9
1,200 yds.	,,	2 9
Gypsum Plaster Wall Boards, 3 and 4 ft. wide 6 to 12 ft., ⅜ in. thick, 600 yds, and over in one delivery. Delivered site	,,	2 6½
1,200 yds.	,,	2 5½
do. Insulating do. ⅜ in. thick, 600 yds. and over in one delivery. Delivered site	,,	3 0
1,200 yds.	,,	3 0

Is space your headache?



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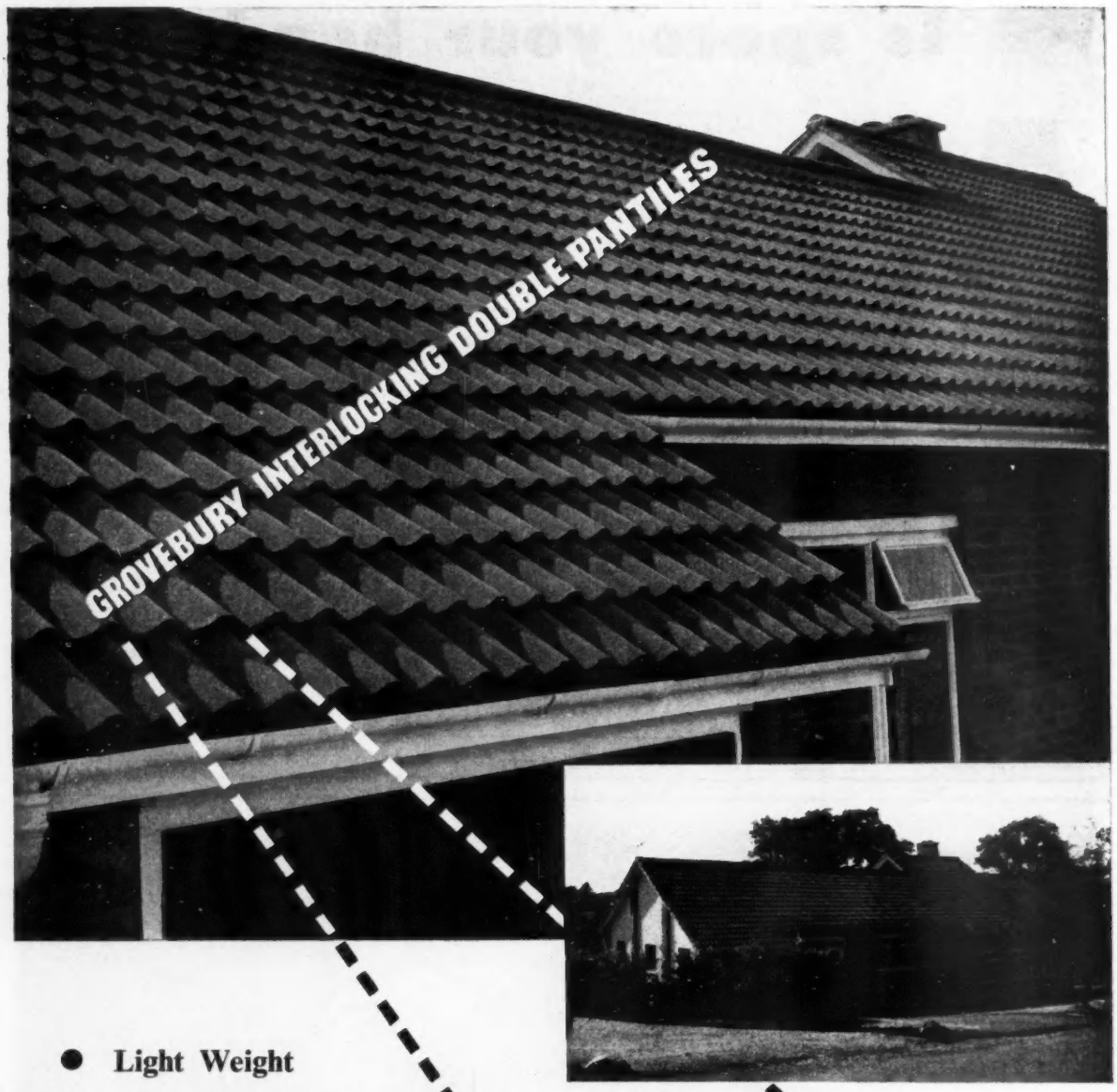

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PAINTS AND DISTEMPER

Delivered London area.		£	s.	d.
Ceiling Distemper	per cwt.	1	7	6
Washable Distemper	,,	5	15	0
Gloss Paint	per gal.	2	16	0
Super Snowcem cement paint (in 1 cwt. drums) ...	per cwt.	4	0	0
LEAD PRODUCTS AND OILS				
Ground White Lead, in 1 cwt. kegs	per cwt.	8	7	6
Genuine White Lead Paint, 1-19 gal. lots in 1 gal. tins	per gal.	3	6	6
Genuine Red Lead, Dry, 1 cwt. keg (10 ton lots)	per cwt.	5	12	6
do. do. do. (1 cwt. lots)	,,	6	19	0
Genuine Linseed Oil Putty, 1 cwt. keg	,,	2	12	6
Size XD quality 28 lb.	per tin		9	0
Raw Linseed Oil (5 gal.) drums extra	per gal.		19	2
Boiled Linseed Oil (5 gal.) do.	,,		20	0
SUNDRIES				
Turpentine substitute (5 gal.) drums extra	,,		5	4½
do. do. (40 gal.) do.	,,		4	8½
Solignum, Brown (5 gal. cans) Exterior	,,		8	8
Creosote (40 gal. barrels)	,,		2	3
Paste Powder (1 lb. packets)	per lb.		2	4
White Lining Paper	per piece		1	2

VARNISHES, etc.

Delivered London area.		£	s.	d.
Oak Varnish, Outside or Inside	per gal.	2	0	0
Oal Pale Copal do. do.	,,	2	0	0
Hard Drying Oak for Inside	,,	2	5	0
Crystal Paper Varnish do.	,,	2	8	0
Eggshell Flat Varnish do.	,,	2	2	0
Finest Carriage Varnish	,,	2	7	0
Front Door Varnish	,,	2	4	0
Japan Gold Size	,,	1	12	0
Black Japan	,,	1	16	0
Brunswick Black	,,	1	12	0
Berlin Black	,,	1	10	0
Terebene	,,	1	12	0
Knotting (1 gal. bottles free)	,,	1	15	0
French and Brush Polish (do.)	,,	1	15	0

GLASS

Delivered London area.		s.	d.
18 oz. Sheet Glass Ordinary Glazing Quality— Cut Sizes	per ft. sup.		9½
24 oz. do. do. do. do.	,,		11½
26 oz. do. do. do. do.	,,	1	2½
32 oz. do. do. do. do.	,,	1	6½
¼ in. Rolled Plate	,,	1	2½
3/16 in. Rolled and Rough Cast	,,	1	5
½ in. do. do.	,,	1	5¾
¼ in. Figured Rolled and Cathedral, Standard patterns—			
White Group 1	per ft. sup.	1	2½
do. Group 2	,,	1	8½
do. Standard Tints	,,	2	1½
do. Special Tints	,,	7	3
¼ in. Pinstripe, Hammerstripe, Reeded, Reedlyte and Luminating Group 3	,,	1	7½
½ in. Wired Cast	,,	1	9½
½ in. Georgian Wired Cast	,,	1	9½
Hollow Glass Blocks—			
P.B.2 Cross reeded 5¾ × 5¾ × 3⅞ in. ...	each	3	6
P.B.3 Broad reeded 7¾ × 7¾ × 3⅞ in. ...	,,	5	4
P.B.32 Cross reeded 7¾ × 7¾ × 3⅞ in. ...	,,	5	4
P.B.4 Prismatic 7¾ × 7¾ × 3⅞ in. ...	,,	6	0
P.B.5 Flemish 7¾ × 7¾ × 3⅞ in. ...	,,	5	4
P.B.6 Boomerang 7¾ × 7¾ × 3⅞ in. ...	,,	6	0
Half Size Blocks—			
P.B.32 Cross reeded 7¾ × 3¾ × 3⅞ in. ...	,,	4	6
Radiused Corner Blocks to match up with—			
P.B.2 Cross reeded	,,	7	6
P.B.3 Broad reeded	,,	9	0
P.B.32 Cross reeded	,,	9	0
P.B.2, P.B.3, P.B.32 are also supplied in Light Diffusing Blocks at same price.			
¼ in. Polished Plate Glass, G.G. quality—			
In plates not exceeding 2 ft. sup.	per ft. sup.	4	7
,, ,, ,, 5 ft. sup.	,,	5	7
,, ,, ,, 45 ft. sup.	,,	6	9
,, ,, ,, 100 ft. sup.	,,	7	4
¼ in. Polished Plate, extra sizes, *i.e.*, plates exceeding 100 ft. sup. or 160 in. one way or 96 in. both ways. G.G. quality—Not exceeding 135 ft. sup. or 240 in. one way or 130 in. both ways ...	,,	10	9
Not exceeding 180 ft. sup. or do.	,,	14	3

Plates exceeding 180 ft. sup. prices on application.
Substances other than ¼ in. Polished Plate at Special Prices.
Quantity Tariff—Sheet and Sundry Glass.

The following prices apply to minimum quantities of one size and one pattern delivered by the manufacturer to one site at one time.

Description of Glass	Minimum quantity	per ft. sup. s.	d.
18 oz. sheet O.Q.	3,000		6¾
24 oz. ,, ,, ...	2,000		8¾
26 oz. ,, ,, ...	2,000		11
32 oz. ,, ,, ...	2,000	1	2½
¼ in. Rolled Plate	1,000		10½
¼ in. Figured Rolled and Cathedral Standard Patterns, White Group 1	1,000		10½
do. Group 2	1,000	1	2
¼ in. Pinstripe, Hammerstripe, Reeded, Luminating and Spotlyte Group 3	1,000	1	2
3/16 in. Rolled Plate or Rough Cast	2,000	1	1
½ in. do. do.	2,000	1	1½
¼ in. Wired Cast, Hexagonal	2,000	1	4½
½ in. Georgian Wired Cast	2,000	1	4½

THE BUILDER RATES OF WAGES

AS FROM APRIL 18, 1960. **(Every endeavour is made to ensure accuracy but we cannot be responsible for errors.)**

KEY TO SCHEDULE OF GRADE RATES.

Grade Classification	A	A1
Craftsmen	4/11½	4/11
Labourers	4/4	4/3½

Town	*Grade*
Aberavon	A
Aberdare	A
Abergavenny	A
Abingdon	A1
Accrington	A
Addlestone	A
Afan Valley	A
Aldeburgh	A1
Aldershot District	A1
Alfreton UD	A
Alnwick UD	A
Altrincham	A
Amble	A
Ambleside	A
Amersham	A
Ammanford	A
Andover	A1
Anglesey, Isle of	A
Ardingly	A1
Arundel	A1
Ascot	A1
Ashbourne RD	A1
Ashbourne UD	A1
Ashby-de-la-Zouch UD	A
Ashby Woulds UD	A
Ashford (Kent)	A1
Ashford (Middlesex)	A
Ashington UD	A
Ashtead	A
Ashton-under-Lyne	A
Aspatria and Brayton	A
Atherstone RD	A
Attleborough	A1
Axminster	A1
Aylesbury	A1
Aylsham	A1
Bagshot	A1
Bakewell UD	A1
Banbury	A1
Bangor	A
Barnard Castle UD	A
Barnoldswick UD	A
Barnsley CB	A
Barnstaple	A1
Barrow-in-Furness	A
Barrow-upon-Soar RD (part Thrussington)	A1
Barry	A
Basford RD (ex. Willough-by-on-the-Wolds A1)	A
Basingstoke	A1
Bath	A
Batley MB	A
Baxterley	A1
Beaconsfield District	A
Bearl	A
Beccles	A1
Bedale RD	A
Bedford	A
Bedlington	A
Bedlingtonshire UD	A
Bedwas	A
Beeston & Stapleford UD	A
Belper UD	A
Belton	A
Berkhamsted	A
Berrington	A
Berwick Borough	A
Beverley MB	A
Bewdley MB	A
Bexhill-on-Sea	A1
Bideford	A1
Biggleswade	A1
Billericay	A
Billing	A
Billingham UD	A
Bilsthorpe	A
Bilston MB	A
Birchington	A1
Birkenhead	*
Birmingham CB	†A
Bishop Auckland UD	A
Bishop's Stortford	A
Bishops Castle MB	A1
Bispham	A
Blackburn	A
Blackpool	A
Blackwell RD	A
Blandford	A1
Blaydon UD	A
Blidworth	A
Blyth B.	A
Bodmin	A1
Bognor Regis	A1
Boldon UD	A
Bolsover UD	A
Bolton	A
Boston MB	A
Bourne End	A
Bournemouth District	A
Brackley MB	A1
Bracknell	A1
Bradford CB	A
Bradford-on-Avon	A1
Braintree	A1
Brandon & Byshottles UD	A
Brecon, Borough of	A1
Breconshire, County of	‡A1
Brent Knoll	A1
Brentwood	A
Bridgend	A
Bridlington MB	A
Bridlington RD	A
Bridgnorth MB	A
Bridgnorth RD	A1
Bridgwater	A1
Brierfield	A
Brighouse MB	A
Brighton & Hove	A
Bristol District	A
Broadstairs	A1
Bromsgrove UD	A
Broughton, Flint	A
Buckfastleigh	A1
Buckingham	A1
Buckley	A
Bungay	A1
Burnham-on-Crouch	A1
Burnham-on-Sea	A1
Burnley	A
Burton-on-Trent CB	A
Bury	A
Bury St. Edmunds	A1
Buxton	A
Byfleet	A1
Caernarvon	A
Caernarvonshire, Cnty. of	‡A
Caerphilly Valley	A
Camberley District	A1
Cambridge	A
Cannock UD	A
Canterbury	A1
Cardiff	A
Cardiganshire, Cnty. of	‡A1
Carlisle	A

CURRENT RATES OF WAGES—Continued

Town	Grade
Carlton UD	A
Carmarthen—Borough of	A
Carmarthenshire, Cnty. of	A
Carnforth	A
Castleford UD	A
Caterham	A
Chapel-en-le-Frith	A
Chard	A1
Charmy Down	A
Chatham District	A
Chatteris	A1
Cheadle (Staffs) RD	A
Chelmsford	A
Cheltenham	A
Chepstow	A
Chertsey	A
Chester	A
Chester-le-Street UD	A
Chesterfield MB	A
Chesterfield RD	A
Chichester	A1
Chipping Norton	A1
Chipping Sodbury	A1
Chippenham (inc. Chippenham Within and Hardenhuish)	A1
Chorley	A
Cirencester	A1
Clacton	A1
Clay Cross UD	A
Cleethorpes MB	A
Clevedon	A1
Cleveleys	A
Clitheroe	A
Coalville UD	A
Cobham (Surrey)	A
Colchester	A
Colne	A
Colwyn Bay	A
Congleton	A
Consett UD	A
Conway	A
Corby UD	A
Cornwall, County of	‡A1
Corsham District	A
Coventry CB	A
Cranbrook	A1
Cranleigh	A1
Cranwell Aerodrome Site	A
Crawley	A
Crewe	A
Crewkerne	A1
Cromer	A1
Crook and Willington UD	A
Crowborough	A1
Cuckfield	A1
Cwmbran	A
Dalton-in-Furness	A
Darlington CB	A
Dartmouth	A1
Darwen	A
Daventry MB	A
Deal	A1
Denbigh Town	A
Derby CB	A
Devizes	A1
Devon, County of	‡A1
Dewsbury CB	A
Didcot	A1
Diss	A1
Doncaster CB	A
Dorchester	A1
Dorking	A
Dorset, County of	A1
Dover	A1
Dovercourt	A
Driffield UD	A1
Drigg & Carleton	A
Droitwich MB	A
Dudley CB	A
Dunstable	A
Durham B	A
Eastbourne	A
E. Glam. & Mon. Val.	A
East Grinstead District	A1
East Kesteven RD	A1
East Retford MB	A
Eastwood (Notts) UD	A
Ebbw Vale & District	A
Edenbridge	A1
Ely	A1
Epping	A
Evesham MB	A1
Exeter	A
Exmouth	A1
Fakenham	A1
Falmouth	A1
Fareham	A
Faversham	A1
Felixstowe	A1
Filey UD	A
Fleetwood	A
Flint MB	A
Folkestone	A1
Frinton	A1
Frome	A1
Gainsborough UD	A
Gateshead CB	A
Gillingham (Dorset)	A1
Gillingham (Kent)	A
Glastonbury & Street	A1
Glossop	A
Gloucester	A
Gloucestershire, Cnty. of	‡A1
Godalming	A1
Goole, MB	A
Goole RD	A
Gosport	A
Grantham MB	A
Gravesend	A
Great Yarmouth	A
Grimsby CB	A
Grimsby RD (part)	A1
Guildford District	A1
Halesowen MB	A
Halifax CB	A
Halstead	A1
Haresfield	A1
Harlow	A
Harpenden	A
Harrogate MB	A
Hartlepool B	A
Harwell	A1
Harwich	A
Haslemere	A1
Hastings	A1
Hatfield (Herts)	A
Havant	A
Haywards Heath	A1
Heanor UD	A
Hemel Hempstead	A
Henley-on-Thames	A1
Hereford	A1
Herefordshire, Cnty. of	‡A1
Herne Bay	A1
Hertford	A
Hexham RD	A
Hexham UD	A
Heysham	A
Heywood	A
Higham Ferrers MB	A
High Wycombe	A
Hinckley UD	A
Hitchin	A
Hoddesdon	A
Holywell	A
Horley	A1
Horncastle UD	A1
Horsham	A1
Horwich	A
Huddersfield CB	A
Hull	A
Hunstanton	A1
Huntington (Staffs)	A
Ilfracombe	A1
Ilkeston MB	A
Ilkley UD	A
Ipswich	A
Isle of Sheppey	A1
Isle of Thanet	A1
Isle of Wight	A1
Jarrow B.	A
Keighley MB	A
Kendal	A
Kenilworth UD	A
Kettering MB	A
Keynsham	A
Kidderminster MB	A
Kingskerswell	A1
King's Lynn	A1
Kingsteignton	A1
Kirkham	A
Knaresborough UD	A
Knutsford	A
Lancaster	A
Leamington MB	A
Leatherhead	A
Leeds CB	A
Leek UD	A
Leicester CB	A
Leighton Buzzard	A1
Leiston	A1
Leominster	A1
Letchworth	A
Lewes	A1
Lichfield MB	A
Lincoln CB	A
Liskeard	A1
Littlehampton	A1
Liverpool	*
Llandudno	A
Llanelly (inc. Llanelly RD)	A
Llanfairechan	A
Llangollen	A
London	*
Long Eaton	A
Looe	A1
Loughborough MB	A
Louth MB	A1
Lowestoft	A
Loxton	A1
Ludlow MB	A1
Ludlow RD	A1
Luton	A
Lyme Regis	A1
Lyneham /Devon)	A1
Lytham	A
Macclesfield	A
Maidenhead	A
Maidstone	A
Maldon (Essex)	A1
Maltby UD	A
Malton UD	A1
Malvern UD	A
Manchester	A
Manningtree	A1
Mansfield MB	A
March	A1
Margate	A1
Market Harborough RD	A1
Market Harborough UD	A
Market Rasen UD	A1
Martock	A1
Maryport	A
Matlock UD	A
Melksham	A1
Melton Mowbray UD	A
Merionethshire	A
Merthyr	A
Mexborough UD	A
Middlesbrough CB	A
Middleton	A
Middlewich	A
Mildenhall	A1
Milford Haven UD	A1
Minehead	A1
Monmouth—Borough of	A
Monmouthshire	A
Morecambe	A
Moreton Valence	A1
Morley	A
Morpeth B	A
Morpeth RD	A
Mundesley	A1
Nantwich	A
Neath & Valley	A
Nelson	A
Newark MB	A
Newbury	A1
Newcastle-upon-Tyne CB	A
Newcastle-under-Lyme	A
New Forest District	A1
Newmarket	A1
Newport, Mon.	A
Newport Pagnell	A1
Newquay	A1
Newton Abbott	A1
Normanton UD	A
Northallerton District	A
Northallerton UD	A
Northampton CB	A
North Shields	A
North Walsham	A1
Northwich	A
Norton Radstock	A1
Norwich	A
Nottingham CB	A
Nuneaton MB	A
Oakham RD	A1
Oakham UD	A1
Okehampton	A1
Oldham	A
Ongar	A
Ormskirk	A
Ossett & Horbury	A
Oswestry	A
Oundle UD	A1
Oxford	A
Oxted	A1
Padstow	A1
Paignton	A1
Par	A1
Pembrokeshire	A
Penmaenmawr	A
Penrith UD	A
Penzance	A1
Peterborough, Soke of (Eastern Regional portion)	A1
Petersfield	A1
Pickering	A
Plymouth	A
Pontefract MB	A
Pontypool & District	A
Pontypridd District	A
Porthcawl	A
Portishead	A
Portland Bill	A1
Portsmouth	A
Port Talbot	A
Preston	A
Princetown	A1
Pudsey MB	A
Pulborough	A1
Radnorshire, County of	‡A1
Ramsgate	A1
Raunds UD	A
Rayleigh	A
Reading	A
Redcar B	A
Redditch UD	A
Redhill & Reigate	A
Rhondda Valley	A
Richmond B (Yorks.)	A
Ripon MB	A
Rochdale	A
Rochester	A
Ross-on-Wye	A1
Rossendale Valley	A
Rotherham CB	A
Royston	A1
Rugby MB	A
Rugeley UD	A1
Rushden UD	A
Saffron Walden	A1
St. Albans	A
St. Austell	A1
St. Helens	A
St. Neots	A1
Salisbury City	A1
Salisbury Plain	A1
Sandy	A1
Sawbridgeworth	A
Saxmundham	A1
Scarborough MB	A
Scunthorpe MB	A
Seaford & Newhaven	A1
Selby UD	A
Sevenoaks	A
Shaftesbury	A1
Sheerness	A1
Sheffield MB	A
Shepton Mallet	A1
Sherborne	A1
Shipley	A
Shoeburyness	A
Shoreham	A
Shrewsbury MB	A
Sirhowy Valleys	A
Sittingbourne	A1
Skegness UD	A1
Skipton UD	A
Sleaford UD	A
Slough, Windsor & Eton District	A
Smethwick CB	†A
Smettisham	A1
Solihull B	A
Somerset, County of	‡A1
Southampton & Eastleigh	A
Southend-on-Sea District	A
Southport	A
South Shields CB	A
Southwold	A1
Spalding UD	A1
Stafford MB	A
Staines	A
Stamford MB	A
Stantonwick	A
Stevenage	A
Stockport	A
Stockton RD	A
Stockton-on-Tees B	A
Stoke-on-Trent CB	A
Stoke Orchard	A1
Stourbridge MB	A
Stouport UD	A
Stowmarket	A1
Stratford-on-Avon MB	A
Stroud (RD Area)	A1
Sunderland CB	A
Sunningdale	A1
Sutton Coldfield MB	A
Swadlincote UD	A
Swaffham	A1
Swanage District	A1
Swansea	A
Swindon District	A
Swinton UD	A
Tamworth MB	A
Taunton	A1
Tavistock	A1
Tenterden	A1
Teignmouth	A1
Tewkesbury	A1
Thames Haven	A
Thetford	A1
Thirsk RD	A
Thorpe Bay	A
Thurrock UDC (including Tilbury, Grays and the area north to Billericay)	A
Todmorden MB	A
Tonbridge	A1
Torquay	A1
Totnes	A1
Tring	A1
Trowbridge	A1
Truro	A1
Tunbridge Wells	A1
Tynemouth CB	A
Ulverston	A
Uppington (Salop)	A1
Uttoxeter RD	A1
Uttoxeter UD	A1
Wakefield CB	A
Wakefield RD	A
Walsall CB	A
Wallsend B	A
Walsden	A
Walton-on-Naze	A1
Ware	A
Warminster	A1
Warrington	A
Warwick MB	A
Wednesbury MB	A
Wellingborough UD	A
Wellington UD	A
Wellington (Somerset)	A1
Wells (Norfolk)	A1
Wells (Somerset)	A1
Welwyn	A
Welwyn Garden City	A
West Bromwich CB	A
Westbury	A1
Westcliff-on-Sea	A
Westerham	A1
West Hartlepool CB	A
Westmorland	A
Weston-super-Mare	A1
Weybridge	A
Weymouth (incl. Portland Bill, excl. Portland Stoneyards)	A1
Whitby UD	A1
Whitby RD	A1
Whitehaven	A
Whitley & Monkseaton UD	A
Whitstable & District	A1
Wickford	A
Widnes	A
Wigan	A
Wigton	A
Wilmslow	A
Wiltshire, County of	‡A1
Wimborne	A1
Wincanton	A1
Winchester	A1
Windermere	A
Wisbech	A1
Witham	A1
Withernsea UD	A
Woking	A1
Wokingham	A1
Wolverhampton CB	A
Wolverton District	A1
Woodbridge	A1
Woodhall Spa UD	A1
Woodstock	A1
Worcester CB	A
Workington	A
Worksop MB	A
Worthing	A1
Wrexham (incl. Cefn)	A
Wroughton	A1
Wylam	A
Wymondham	A1
Yate	A1
Yeovil Borough	A1
York CB	A
Ystalyfera	A

* For Birkenhead, Liverpool and London the rates are :—Craftsmen, 5s. 1d. ; Labourers, 4s. 5½d. In the case of London the rate beyond the 12-mile radius is : Craftsmen, 5s. 0½d. ; Labourers, 4s. 5d. † Plus 4d. per working day. ‡ This is the County rate and applies except where higher grades are stated.

NOTE.—Carpenters and Joiners providing own tools when employed in establishments operating under the Supplementary Rules for Woodworking Factories and Shops receive 2d. per day ; when employed on other building industry work, 4d. per day.

WOMEN'S RATES.—In all districts throughout the country the rate of wages for women engaged in craft processes is 4s. 1d. per hour. Women engaged on work other than craft processes, 3s. 9d. per hour.

For Building Trade Wages in Scotland, see page 985

. . . but for the damp that rises

. . . a PERMANITE dampcourse

specify "PERMALUME"
"LEAD BITU"
"LEAD ASBEX"
"ASBEX"

DAMPCOURSES BY

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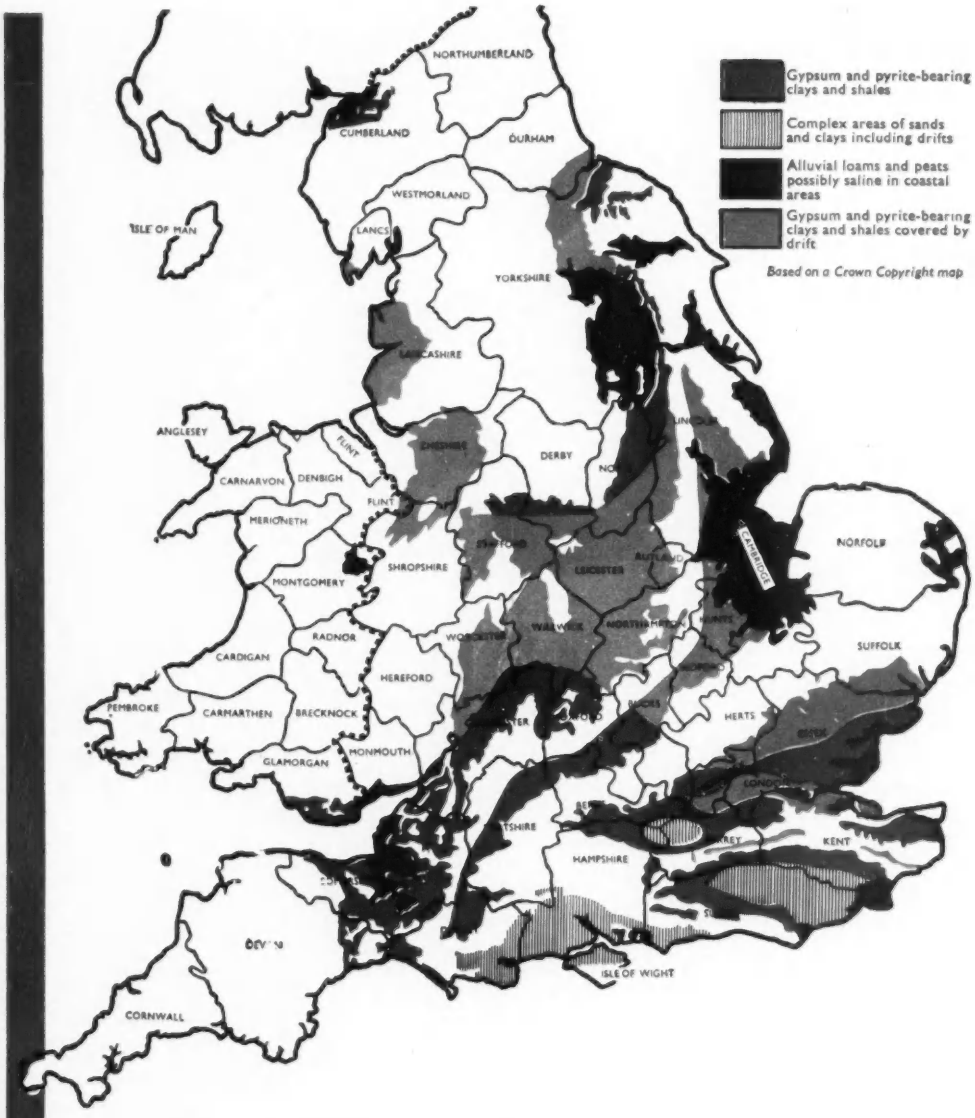

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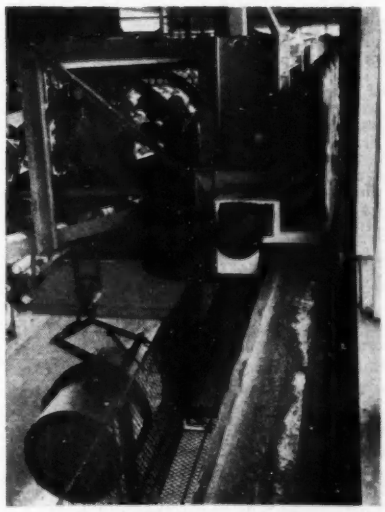
CVS16

TECHNICAL REVIEW

This Review of plant, equipment and materials—in most cases new or with new features—is intended to give brief details only of the products mentioned. Notices are based on data supplied by the manufacturers. Additional information and prices can be obtained either direct or by using the prepaid Readers' Service form which appears on page 175 of this issue. The form can be used for more than one inquiry.

1. Cranes

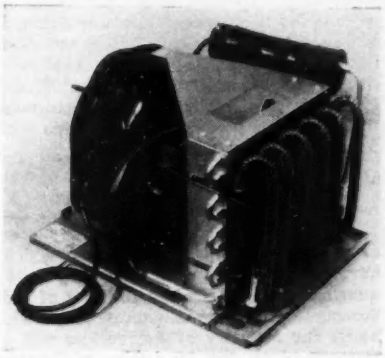
Two rubber-tyred, overhead, ELECTRIC TRAVELLING CRANES, believed to be the first in the world, have been in operation at a Kent paper mill for over six months. They run on pneumatic tyred wheels which travel on smooth concrete runways, so dispensing with the need for gantry rails. The cranes have a nominal span of 69 ft. 6 in. and a lifting capacity of two tons which can be increased to three tons by the installation of a larger hoist motor. Each end-carriage is supported by five pneumatic-tyred wheels together with two horizontally-mounted solid-tyred wheels which bear on the sides of the concrete runways to steer the cranes along a straight path. Disc brakes are fitted to two of the wheels of each end-carriage assembly and a 7.5 h.p. electric motor drives one other pneumatic wheel through reduction gearing. Access platforms are provided for servicing the motors and inflating the tyres. The apparent advantages of this new development are in the elimination of impact problems, which allows the cranes to be of lighter construction, an increase in speeds and a possible lowering of construction costs.



A view of the end-carriage of one of the rubber-tyred electric travelling cranes at the Reed Paper Group's Aylesford Paper Mills, near Maidstone, Kent. A similar assembly is mounted at the other end of the crane bridge. The consulting engineers for this project were W. S. Atkins & Partners, 158 Victoria-st., SW1, and the main contractors, Strachan & Henshaw Ltd., Steel Hoist-wks., St. Philips, Bristol 2

2. Drying Plant

A MOISTURE EXTRACTOR (first mentioned in this column in the issue of December 18, 1959) has recently been used successfully for drying-out newly plastered houses. The Dehumidifier comprises a hermetically sealed refrigeration system and when the room air, which enters the unit through the front grille, passes through the cooling coil, part of the moisture it contains is condensed on the cold surface and drained away. After this, the air flows through the hot coil of the refrigeration system where it is



reheated to its original temperature. It then re-circulates through a fan, over the fan motor and the refrigeration compressor back into the room via the outlet grille. The unit can extract up to ½ pint of water per hour and consumes only 250 watts. It should be particularly effective in the late autumn, winter and early months of spring when prevailing drying conditions normally are not good.
Westool, Ltd.,
St. Helens Auckland, Bishop Auckland, Co. Durham.

3. Hardboard

A HARDBOARD is being produced upon which a dense film of priming compound is mechanically applied and sealed in at the mill. This treatment saves a certain amount of finishing work; no pre-sanding is needed before painting, the paint is easier to apply and only one finishing coat is necessary. The board will resist chipping and flaking when sawn, drilled, punched or nailed.
The Wood Fibre Wallboard Co., Ltd., 8 City-rd., Finsbury-sq., EC1.

4. Insulating Panels

A new system of timberless COLD ROOM CONSTRUCTION has been developed in which some of the principles applied in aircraft construction have been used, in particular the 'stressed skin' principle. This makes use of the great inherent strength of relatively thin metal sheets which are held apart by suitably formed webs of metal and so fastened to the skins that they are able to resist relative movement between them. For cold room panels, metal, because of its high K value, is replaced by glass fibre reinforced plastics. This material has a specific strength exceeding that of steel, is not affected by moisture neither does it absorb. The glass fibre reinforced plastic is fixed by a special method to the two skins, for which any of the usual materials can be used, and the cavities filled with insulation material.

The panels are made on the tongue and groove principle to engineering tolerances so that erection on site is simplified. The panels are strong and no retaining walls are needed.
Byalex Co., Ltd.,
Swan Mills, Swanley, Kent.

5. Miscellaneous

One of the latest ideas for space saving in the home is a door which has a BUILT-IN-CUPBOARD. The cupboard, six inches in depth, has three shelves at the bottom for footwear, several hangers for coats and a tie rack. The door itself is suitable for most rooms in the house or even as a front door and an added feature is an automatic draught excluder.
Perry Woodwork Industries Ltd., Lammas-rd., Lea Bridge-rd., Leyton, E10.

6. Plastic Sheeting

Another range of decorative POLYESTER/GLASS LAMINATES is being manufactured in flexible as well as rigid form. They consist of printed cloths, backed by fibre glass and impregnated with a Cellobond polyester resin. The laminates can be supplied with an adhesive backing to provide an immediate bond between the laminate and the undersurface. In its flexible form the sheets are between one and two millimetres thick to give a degree of translucency suitable for installations where hidden lighting is required.
Lancashire Fibre Glass Mouldings Ltd., Station-wks., Durham-av., St. Annes-on-Sea, Lancs.

7. Flooring

A new liquid plastic FLOOR DRESSING has many virtues as an industrial sealer—it is decorative as well as tough and durable. Of American origin, the constituent that gives the dressing its durability is fast borundico. These particles are diamond shaped and very sharp and cannot be broken down. They lock together in the plastic film and it is claimed that the greater the traffic the tougher the dressing becomes. A slight protruding effect of the particles makes the plastic film non-slippery—in fact it is estimated that an average man wearing leather soles would require a force of 10 cwt. to make him slip. Fast borundico also provides a good light reflecting surface making it suitable for traffic lines.
Stewart Wales, Somerville Ltd., 99 Brownside-rd., Cambuslang, Glasgow.

News in Brief

Institute of Building Supervisors

THE report of the meeting of the Sheffield branch, held on April 23, reported on page 936 of 'The Builder' of May 13, referred to a meeting of the Institute of Building Supervisors, and not as stated in the heading to the report.

The Late Mr. W. E. Chivers

THE DEATH occurred on May 12 at Bournemouth of Mr. William Edward Chivers, a director of W. E. Chivers & Sons Ltd., Devizes, Wilts.

Direct Labour, Tonbridge

THE WEST KENT Federation of Building Trades' Employers has reacted sharply to a proposal by Tonbridge UDC to build houses by direct labour. It has asked the council to meet a delegation from the Federation to hear its case.

Furniture for Milan School

MESSRS. R. CATTLE, LIMITED, of Everitt-road, NW10, inform us that they also are suppliers of furniture for the English School for the Milan Triennale Exhibition, 1960, illustrated in our issue of April 29.

Productivity Seminar

THE Irish National Productivity Committee is to hold a seminar on productivity in building and civil engineering at University College, Dublin, on May 27-28.

Adviser on Land Drainage

MR. D. S. FERGUSON, formerly deputy director of drainage and irrigation, the Federation of Malaya, has been appointed adviser on land drainage and irrigation to the Secretary of State for the Colonies. He took up his duties on May 4.

Heights of Industrial Chimneys

ON MAY 23 at the Institution of Civil Engineers, Great George-street, SW1, Mr. G. Nonhebel will present a paper to The Institute of Fuel entitled 'Recommendations on Heights for New Industrial Chimneys.' Copies from the Institute of Fuel at 18 Devonshire-street, Portland-place, W1, price 3s. 6d.

Road Surfacing Material

CHIPPINGS, lightly coated with tar or bitumen and produced by its members for use in surface dressings is the subject of the seventh information pamphlet issued by the British Granite and Whinstone Federation. Copies may be obtained on application to the Federation at 55 Pall Mall, St. James's, SW1.

Overseas Study Groups

MR. F. J. COSFORD, managing director of Bovis Ltd. flew to Dusseldorf on May 16 to spend a week visiting building sites in the Ruhr industrial areas 'in search of new ideas and improved methods and materials.' He is travelling with Mr. F. W. Downing, a Bovis director. Arrangements have been made for a similar trip to Holland and Sweden at the end of June by Mr. F. J. Holland, assistant managing director of Bovis, and Mr. B. P. Heaphy, also on the board.

Federation's Chairman

MR. MAURICE VAN WESTERBORG has been re-elected chairman of the Joinery and Woodwork Employers' Federation. The JWEF is affiliated to the National Federation of Building Trades Employers, on which body Mr. Westerborg has a seat on the Council and Wages and Conditions Committee. He also has a seat on the Council, Conciliation Panel and Factories and Shops Committee of the National Joint Council for the Building Industry.

Mr. Walter Hide and Mr. B. Pratten were re-elected Vice-Chairmen and Mr. S. John Bassett Honorary Treasurer.

Council's Land Deal

TWO YEARS AGO Colwyn Bay (North Wales) Council was severely criticised for spending £10,000 for the purchase of the Colwyn Bay golf course covering an area of 106 acres. The purchase has turned out to be a wise one for the ratepayers, for the Council has now decided to re-sell the site to Henry Boot and Son (Liverpool) Ltd. for £50,000, who will develop the site as a housing estate on a four per acre density, and will reconvey to the Council about 40 acres which will be preserved as an open space.

New NI Government Building

THE building to be erected by the Northern Ireland Government at a cost of £1m. to centralise departments which have overflowed from the Stormont headquarters is to be sited to the east of the Stormont estate. A 12-storey block will house the Ministry of Agriculture and a 7-storey block the Ministries of Education and Labour and National Insurance. Both will be faced with Portland stone. The building has been designed by Mr. R. H. Gibson in conjunction with the firm of R. H. Gibson and E. D. Taylor, 16, Donegall-square South, Belfast. The builders are Higgs & Hill, Ltd., of London.

Structural Fire Protection

A SYMPOSIUM on Structural Fire Protection was held in the Royal Hotel, Cardiff, on May 12. Sir Percy Thomas, OBE, PPRIBA, MTPI, was the chairman. Speakers included Mr. Eric L. Bird, MBE, MC, ARIBA, Technical Research Officer, of the Building Centre, London; Mr. L. A. Ashton, BSc, Chief Experimental Officer of the Building Materials and Structure Division of the Joint Fire Research Station, Boreham Wood, and Mr. S. D. Studd, FIAS, chief building surveyor, Manchester Corporation. Organised by Turners Asbestos Cement Co. Ltd., Trafford Park, Manchester, the symposium was attended by architects, civil engineers, builders, government and local government officials, and members of fire brigades from South Wales.

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Personal Column

A. H. Anderson Ltd. have appointed MR. DEREK STEPHENSON, B.ARCH(LIVPL.), DIP.TP (LOND.), ARIBA, as chief architect to the company. The chief architect will be the senior technical officer of the company and will be responsible for overall control and co-ordination of the architectural, surveying and contract management groups established within the company, and for liaison with associated architects, quantity surveyors and consultants.

MR. M. R. B. THOMAS, temporary representative in Norfolk and East Suffolk for the Universal Asbestos Manufacturing Co. Ltd. and its associated companies for the past nine months, has now returned to their head office at Watford to take up another appointment. Mr. Thomas's duties are now taken over by MR. J. M. SCARROTT, who has been appointed the UAM Group's permanent representative in the area.

Company News

THE RAWLPLUG CO. LTD. recommend the payment of a final dividend on the ordinary shares of the company of 50 per cent (less tax) for the year ended December 31, 1959.

BLAW KNOX LTD. recommend the payment of a final dividend of 20 per cent. (less tax) on the ordinary shares of the company for the year ended December 31, 1959.

GARDINER SONS & CO. LTD. recommend the payment of a final ordinary dividend of 3 per cent. (less tax) on the ordinary shares of the company for the year ended December 31, 1959.

A turnover of £29½ million for the TAYLOR WOODROW GROUP of building and civil engineering companies was reported by Mr. Frank Taylor, chairman, in his 25th annual review circulated to shareholders. The directors are recommending that a final dividend be paid of 7½ per share (less tax) on the present issued capital of 11,250,000 ordinary shares.

Trade News

Technical Training Courses

A SERIES OF instruction courses on the installation and uses of acoustic materials is announced by the Armstrong Cork Co. Ltd., at their installation school 40/44 Wicklow-street, London, WC2. The courses take two forms. One, essentially practical in nature, for tile fixers, and another, more technical and informative, for management and sales representatives. The former lasts three days and the latter one day. Full details may be obtained from the company's Acoustics Dept., Kingsbury, NW9.

Channel Islands Expansion

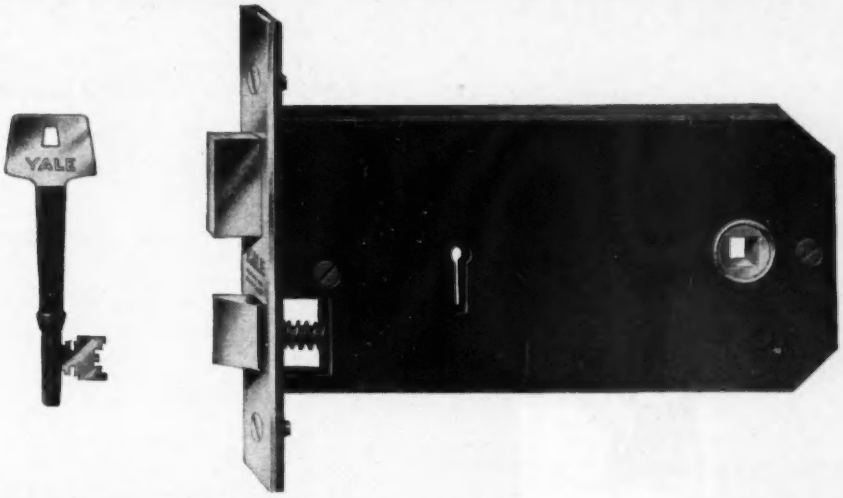
BARTREV BOARD CO. LTD. announce that they have extended their activities to embrace the Channel Islands and two stockists have been appointed—Piette Saw and Planing Mills, Ltd., of St. George's Esplanade in Guernsey and Woods & Co. Ltd., of Royal Parade in Jersey.

NEW!

A COMPLETE RANGE OF

3 LEVER LOCKS

at a NEW LOW COST

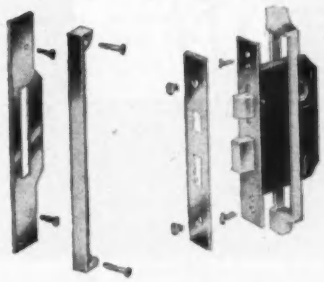


- **144 differs off levers alone (standard).**
- **350 differs off levers (if required).**
- **3,500 differs available off levers *and* wards.**
- **Follower holes brass bushed.**
- **Forend—armoured brass upper and steel lower.**
- **Deadlock bolts reinforced with hardened steel pins.**
- **Key—in line with "contemporary" design, the key is light and attractive—of nickel-plated steel, with nylon-covered shank to give durability and self-lubrication at the point of contact with the lock. Conforms with British Standard 2088 ("Performance Tests for Locks": Tests 7c (II) and 7d).**

This new range of 3-lever mortice locks enables you to specify greater security at a most moderate cost. The range—which includes both horizontal and upright type locks, two deadlocks and a sliding door locking latch—covers every need for a mortice lock.

Master keying. The locks can be master keyed in suites to include sub-masters, sub-grand masters and grand masters . . . and because all differs come from levers alone, a greater degree of security is assured.

Literature. Your local Ironmonger or Merchant will be pleased to show you this new range of locks and let you have a fully illustrated booklet.



THE YALE REVERSIBLE REBATED FOREND SET

This set enables Yale 3-Lever Mortice Locks *and* all other standard Yale plain forend mortice locks to be converted into fully rebated locks. The set is completely reversible for left or right hand, inward or outward opening doors.

Where there's a door there's a need for **YALE**

REGISTERED TRADE MARK

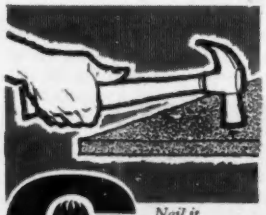
THE YALE & TOWNE MANUFACTURING COMPANY · BRITISH LOCK AND HARDWARE DIVISION · DEPT. C4 · WILLENHALL · STAFFS

This is Asbestolux... the versatile non-combustible asbestos insulation board

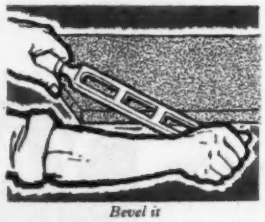
Asbestolux is easy to work. You can nail it, saw it, bevel it, screw, drill, glue, paint, tile and *wall paper* it. Asbestolux protects against fire spread, insulates against heat loss. Use it for lining ceilings and walls, for panelling, as soffit linings, canopies, behind heaters, etc. Asbestolux won't warp, rot or twist; resists acid, fungus, vermin.

CAPE ASBESTOLUX

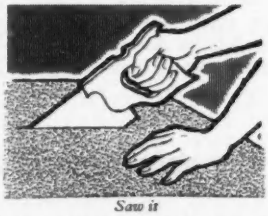
THE NON-COMBUSTIBLE ASBESTOS INSULATION BOARD



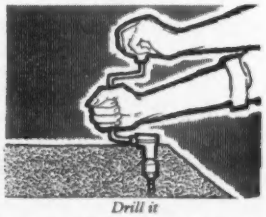
Nail it



Bevel it



Saw it



Drill it

Manufactured by: CAPE BUILDING PRODUCTS LIMITED · COWLEY BRIDGE WORKS · UXBRIDGE · MIDDLESEX

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AX47/B

OVERSEAS BUILDING

From Our Own Correspondents

AUSTRALIA (WESTERN): The Western Australian Government and Chevron-Hilton Hotels Ltd. have agreed on the sale of a site in St. George's-terrace, Perth, for a 23-storey luxury hotel. The hotel, to cost about £A2 million, will be fully air-conditioned and will have 200 bedrooms. It will include a tourist centre of international standard, a skyline restaurant on the top floor, and will incorporate an airport terminal. Construction will begin within six months and the hotel should be ready in time for the Empire Games in Perth in 1962. . . . The West Australian Minister for Industrial Development, Mr. Court, has stated in London that his State would like British financial help to build a dry dock, which would be useful for both defence and commerce owing to Western Australia's strategic location. He said Dutch industralists had shown interest and that businessmen from Britain, France and West Germany were expected to visit the State this year.

BRITISH GUIANA: A $62m. alumina plant is to be constructed by the Aluminum Company of Canada Limited at Mackensie City.

BRITISH WEST INDIES (JAMAICA): A hotel and cottage-type residences are proposed on a 200-acre site at Hanover, Jamaica, at an expected cost of some £1½m.

CANADA (ALBERTA): Calgary City Council has approved in principle the construction of a 21,000 seating capacity stadium on a 90-acre site. The Pembina Pipeline Ltd. are planning a 140-mile pipeline project to gather natural gas by-products in Alberta and transmit them to Lake Michigan industrial centres.

CANADA (BRITISH COLUMBIA): Plans for the multi-million dollar city centre for the Municipality of Surrey, on the outskirts of Vancouver, will be prepared by a team of five architects on the staff of Grosvenor-Laing (BC) Ltd., of Vancouver, who are the developing and building company. The scheme includes a shopping centre, a civic centre, housing and office accommodation.

CANADA (BRITISH COLUMBIA): A $5m. addition is to be constructed to Victoria University College. . . . Initial clearing has started on the $6m. Park Royal shopping centre expansion at West Vancouver. Construction on this 42-acre project will start this year. Blocks of flats, offices and medical buildings and an hotel are planned for another 25 acres under consideration. . . . Kamloops City Council has approved plans for the expansion of boundaries to provide for the construction of a 500-acre residential estate. The area will be developed to contain shopping sites, commercial buildings, schools, parks and multiple and single family dwellings. . . . A small civic theatre, to cost $1.3m. is to be constructed in Vancouver.

CANADA (MANITOBA): A $3m. addition is to be constructed to the Brandon General Hospital. . . . City of Winnipeg is to spend $4m. on the construction of administration buildings.

SCOTTISH BUILDING TRADE WAGES

FOLLOWING are rates of wages authorised by the Scottish National Joint Council as from April 18, 1960. They apply to the whole of Scotland, including the islands of Orkney, Shetland, etc.

Grade A: Craftsmen, 4s. 11½d.; Labourers, 4s. 4d.

For apprentices, the rates are :

Year	*Percentage of Craftsman's rate*	*For week of 44 hours* s.	d.
1st	25	54	6½
2nd	33½	72	9
3rd	50	109	1
4th	66⅔	145	6
5th	75	163	7½

For female labour, the rates are :

	s.	d.
Operatives on craft operations (at end of probationary period)	4	4
Operatives on labouring operations (at end of probationary period) ...	3	10

CANADA (SASKATCHEWAN): A new $6m. hospital is to be constructed at Saskatoon. . . . City of Regina construction programme includes a $2m. city hall, a multi-million dollar extension to hospital facilities and a $1m. terminal at the airport.

GHANA: A contract worth over £100,000 has been awarded to Taylor Woodrow (Ghana) Ltd. by the United Africa Co. Ltd. to extend the Kingsway Stores, Kwame Nkrumah Avenue, Accra. The second and third floors will be extended over the existing first floor and two further linking escalators will be installed. The work will be completed before the end of the year. Architects are Messrs. T. P. Bennett and Son, 43 Bloomsbury-square, WC1; structural engineers, Messrs. Ove Arup and Partners; and quantity surveyors, Messrs. Gardiner and Theobald.

SOUTH AFRICA: The value of building plans passed in the eighteen principal urban areas of South Africa came to £4.9m. in February, which is £1.6m. more than in the corresponding month in 1959. In a report by Barclays Bank DCO it is stated that the largest increases were in the value of plans for flats and other dwellings (excluding houses) and for manufacturing, mining and other non-residential building. The programme of alterations and additions to existing building was more or less on a par with that of the previous year. Although reports of slackness in the building industry in smaller centres are still being received, builders in most of the major towns and cities appear to be kept reasonably busy, adds the Bank. A large proportion of the work is coming from municipal and Government sources, however, and the activities of the private sector are a little hesitant on the whole.

Overseas Building Notes

OVERSEAS BUILDING NOTES NO. 66, just issued by the Tropical Building Section, Building Research Station, Garston, Watford, Herts., contains articles on 'Ventilation in warm climates,' 'A study of the influence of ceiling height in dwelling houses' and Kumasi College of Technology.

SCOTTISH BUILDER

Glasgow Development

COMMERCIAL AND GENERAL DEVELOPMENTS (SCOTLAND) LTD. are to build two multi-storey shop and office blocks in Glasgow. One will be a 15-storey block in Cambridge-street, on the James Henderson garage site; the other, a nine-storey block, at the junction of India-street and St. Vincent-street. Construction is expected to start some time in September. Architects for these projects are R. F. Bluck and Associates, India-st., Glasgow.

Clyde Road Scheme

GLASGOW CORPORATION has received approval for the building of the first stages of the permanent road approaches to the Clyde tunnel, now being constructed at Linthouse. A temporary approach road has been completed at Linthouse and will be used as a filter for north bound traffic when the permanent straight approach road is completed.

The permanent sections approved will cost more than £300,000, bringing total cost of the first tunnel to £9 million.

Limestone Mine for Dunbar

EAST LOTHIAN County Council have agreed to amend the county development plan to accommodate a £4 million open-cast limestone mine which the Associated Portland Cement Manufacturers Ltd. want to establish at Oxwellmains, near Dunbar. Owners of the land refuse to sell it and a public inquiry will probably be held in early July.

New Buildings

DUNFERMLINE.—TC are to erect 213 multi-storey flats at Broomhead, at an est. cost of £470,000.

EDINBURGH.—Drambuie Liqueur Co., of Edinburgh, are building a new whisky bond at 308 Easter-rd., Edinburgh. Special precautions are being taken to prevent fire. This is in keeping with the recommendations made after the recent Glasgow fire in which 17 firemen were killed.

FIFE CC.—Five traditional houses at Gateside. All trades. Applications to County Clerk, Cupar, Fife.

FIFE CC.—12 traditional houses at Thornton, and 21 traditional houses at Balgonie. Applications to County Clerk, Cupar.

KIRKWALL.—Orkney Builders Ltd., of Kirkwall, have received the contract for the building of the new primary sch. at Papdale, Kirkwall. The tender is for £82,332, excluding heating, electrical and paint work. This brings the total est. cost of the school to £103,354.

MONTROSE.—TC has asked two firms to offer proposals for a super swimming pool of international type. R. Pert & Sons Ltd., of Montrose, have now advanced plans for a modern style international pool and suite of buildings. Proposals are now awaited from Reema Construction Co., of Salisbury. A decision will then be taken after consideration of competition designs and prices.

ROSS & CROMARTY CC.—Laying and jointing of approx. 9½ miles of 1½ to 4in. dia. asbestos-cement water mains, with intakes and two mass concrete storage reservoirs at Inverasdale in the Parish of Gairloch. Applications to County Water E., Burn-pl., Dingwall.

THE BUILDER CONSTRUCTION NEWS

Full details of Public Appointments open will be found in the Advertisement pages of this and previous issues.

CONTRACTS OPEN

For some contracts still open but not included in this list, see previous issues. Those preceded by the symbol (A) are advertised in this number. The latest date for the receipt of tenders or applications appears above each paragraph. The symbol (R) preceding each entry indicates that applications must be received by this date.

BUILDING

MAY 24

(AR) BIRMINGHAM CITY C.—Firm price tenders for 10 shops and 12 dwellings over Wyrley Birch estate, Perry Common. City A. Dep. £2 2s. Tenders by June 24.

MAY 25

(AR) BRISTOL CITY C.—Fixed price tenders for alterations and additions (stage II) at Upper Horfield sch. City A.

(AR) YEOVIL BC.—43 houses and 15 garages at Sunningdale estate. Boro' S.

MAY 27

(AR) HAMPSHIRE & ISLE OF WIGHT POLICE AUTH.—Erection of police station at Winchester. County A. Dep. £2 2s.

MAY 28

(AR) ESSEX CC.—Firm price tenders for a branch library at Burnham-on-Crouch. County A.

MAY 30

FAREHAM UDC.—Fixed price tenders for a sports pavilion at Park-la. recreation ground. E&S. Dep. £2.

NORTHERN IRELAND MINISTRY OF COMMERCE.—Construction of foundations and site works, etc., for a factory at Lurgan for Industrial Accountancy Partnership Ltd. Applications to Ministry of Commerce, Room 28, Chichester House, Belfast. Dep. £3.

(AR) SOUTHAMPTON CBC.—136 flats at Redbridge Triangle. Boro' E&S.

(AR) WOLVERHAMPTON CBC. — Six shops and flats at Brooklands-parade. Boro' E. Dep. £2 2s.

MAY 31

(A) BANBURY BC.—Applications invited from contracting firms for inclusion on approved list. Boro' E&S.

(AR) CORNWALL CC.—Fixed price tenders for erection of a four-class CP sch. at Perranporth. County A. Dep. £3 3s. Tenders by July 2.

(AR) WALSALL CBC.—Church Hall at St. Matthews-clo. Jellicoe, Ballantyne & Coleridge, 12 Gower-st., London, WC1.

(AR) WEST SUSSEX STANDING JOINT COM.—Fixed price tenders for:—(a) Two police houses and office at Lynchmere; (b) one police house, office and garage at West Chillington, and (c) one police house, office and garage at Church-la., Chichester. County A.

JUNE 1

(AR) WANDSWORTH MBC.—Erection of 18 houses and 41 flats in two-storey blocks at St. Ann's Hill. TC.

(AR) WESTBURY UDC.—Erection of eight houses at Eden Vale and 14 old persons' bungalows (including approaches) at Jubilee-close, Westbury, Wilts. C. Dep. £2 2s.

JUNE 2

(A) BARNSTAPLE BC.—Erection of one pair of bungalows, type C, at Gould-rd., and one pair of flats, type V (a), at St. Mary's-rd. Boro' S. Dep. £2 2s.

BELFAST.—Proposed alterations and extensions at St. Peter's voluntary prim. sch., Raglan-st., Belfast. John Tynan, Quantity Surveyor, 33 Malone-rd., Belfast. Dep. £3 3s.

CO. KERRY (Eire) VEC.—Extension to a vocational sch. at Causeway, Co. Kerry. P. J. O'Sullivan, architect, 5 Denny-st., Tralee. Dep. £5 5s.

JUNE 3

(AR) CANTERBURY CITY C.—Erection of laboratory at Simon Langton gram. sch. for girls. City A. Dep. £2 2s.

CO. TIPPERARY (Eire).—Construction of a technical sch. and incidental works at The Mall, Clonmel, Co. Tipperary, for County Tipperary (SR) Vocational Education Com. Applications to QS, Thomas C. Whelan, National Bank-chbrs., Cavendish-row, Dublin. Dep. 20 gns.

(A) MARCH UDC.—48 dwellings at Upwell-rd. A & S. Dep. £2 2s.

OFFALY (Eire) CC.—Construction of Rhode Sewerage Scheme. Ed. Ralph Ryan, constg. engr., 1 Montpellier-terr., Galway. Dep. 15 gns.

WORKSOP BC.—Firm price tenders for 14 houses at Kilton Hill estate. Boro' E. Dep. £3 3s.

JUNE 7

MORECAMBE & HEYSHAM BC.—Erection of public conveniences opposite Happy Mount Park. Boro' E&S. Dep. £2.

JUNE 8

GLOSSOP BC. — Reorganisation and modernisation of Wood's Baths. Boro' S.

JUNE 9

(A) ANDOVER BC.—Fixed price tenders for pavilion, changing rooms and site works at London-rd. sports ground. Boro' S. Dep. £2 2s.

CAISTOR RDC.—16 dwellings, etc., on site adjacent to South Dale and By-pass road. Wm. Saunders & Ptnrs., 24 Castle Gate, Newark-on-Trent, Notts. Dep. £3 3s.

JUNE 10

(A) FRIMLEY & CAMBERLEY UDC.—Erection of 34 garages. E&S.

JUNE 13

(A) CANTERBURY CITY C.—Fixed price tenders for 15 houses, four old persons' bungalows, eight corner flats and 12 garages at Hales Place estate. City A. Dep. £2 2s.

(A) OLDHAM CBC.—Fixed price tenders for six houses at Limeside estate. Cameron & Middleton, 21 Queen-st., Oldham. Dep. £2 2s.

(A) STOCKTON-ON-TEES BC.—16 single persons' dwellings at Hardwick. Boro' A. Dep. £1 1s.

JUNE 14

(A) SOUTHEND-ON-SEA CBC.—Conversions at 'Hylands,' Eastwood-la., Westcliff-on-Sea. Boro' A.

KIRKSTONE

Light Sea Green Slate

from our quarries on a 1500 ft. contour in the heart of the English Lake District where this volcanic slaterock has been extracted for over 200 years.

Illustrated details on request for Cladding, Cills, Coping and Flooring etc.

KIRKSTONE GREEN SLATE QUARRIES Ltd.

Ambleside Westmorland.

Tel.: Amb. 3270

JUNE 15

(A) BATH CITY C.—Conversion of No. 9 Oxford-row into two maisonettes and one self-contained flat. Surveyor of Corporate Property. Dep. £2 2s.

(A) EPSOM & EWELL BC.—24 two-storey flats at West-st., Ewell. Boro' E&S. Dep. £3 3s.

(AR) ST. MARYLEBONE BC.—Inclusion on list of approved contractors for blocks of flats. Housing Director.

(A) SHREWSBURY BC.—Fixed price tenders for 11 bungalows at Cotton Hill estate. Boro' S. Dep. £2 2s.

JUNE 16

NORTHERN IRELAND MINISTRY OF FINANCE.—Construction and completion of a Royal Ulster Constabulary standard sub-district station (Type 1) at Limavady-Downhill-road, Bellarena, Co. Londonderry. Applications to Room 103, Law Courts Building, Belfast. Dep. £5.

JUNE 17

(A) LINCOLN CORPN.—Fixed price tenders for old people's home at Boultham Park. City A. Dep. £2 2s.

(A) UTTOXETER UDC.—Alterations and extensions to Town Hall. S. Dep. £2 2s.

JUNE 20

(A) STOCKTON-ON-TEES BC.—Six shops with 10 maisonettes over at Hardwick. Boro' A, 28 The Square. Dep. £1 1s.

JUNE 28

(A) ILFORD BC.—Firm price tenders for:— (a) 33 flats at Green-la., (b) 33 flats at Inglehurst-gdns. Boro' E. Dep. £3 3s. (each contract).

JUNE 29

(A) CARMARTHENSHIRE & CARDIGANSHIRE JOINT POLICE & FIRE AUTH. —Erection of nine pairs of police houses and one pair of firemen's houses nr. Penparcau, Aberystwyth. County A. Dep. £3 3s.

JULY 4

(A) SALFORD CITY C.—Firm price tenders for a house at Charlestown recreation ground. City E&S. Dep. £2 2s.

JULY 7

(A) TIPTON BC.—Fixed price tenders for 52 dwellings and eight garages at Aston-st. housing site. Boro' Housing A. Dep. £3 3s.

JULY 11

(A) ROYAL NORFOLK AGRICULTURAL ASSN.—Permanent pavilion on show ground at Cortessey, nr. Norwich. Clifford Culpin, 39 Doughty-st., London, WC1.

SERVICES, PAINTING, MATERIALS, ETC.

MAY 30

(AR) WORSLEY UDC. — (a) Electrical installation; (b) supply of grates and mantels, and (c) supply of sanitary fittings for 223 and 69 dwellings at Peel estate, Little Hulton. C. Dep. £2 2s.

MAY 31

(AR) BECKENHAM BC.—External painting and repairs at:— (a) Cator Park sec. girls' sch., Lennard-rd., Beckenham; (b) Alexandra sec. boys' sch., Parish-la., Penge, SE20, and (c) Alexandra sec. boys' sch. annexe, Beckenham-rd., Beckenham. Boro' E&S. Dep. £2.

JUNE 3

(A) ASHBY WOULDS UDC.—Hot water installation in 36 houses at Moira and Albert Village. Pick, Everard, Keay & Gimson, 6 Millstone-la., Leicester. Dep. £2 2s.

WORKSOP BC.—Firm price tenders for the external painting of 650 corporation-owned dwellings. Boro' E.

JUNE 30

(A) WISBECH BC.—Heating scheme for Council offices. Boro' E.

JULY 13

(A) CROSBY BC.—Installation of heating and ventilation at public swimming bath. Boro' E&S.

(A) DEPTFORD BC.—Alterations to fireplaces to Council houses and flats at Brockley. Boro' E.

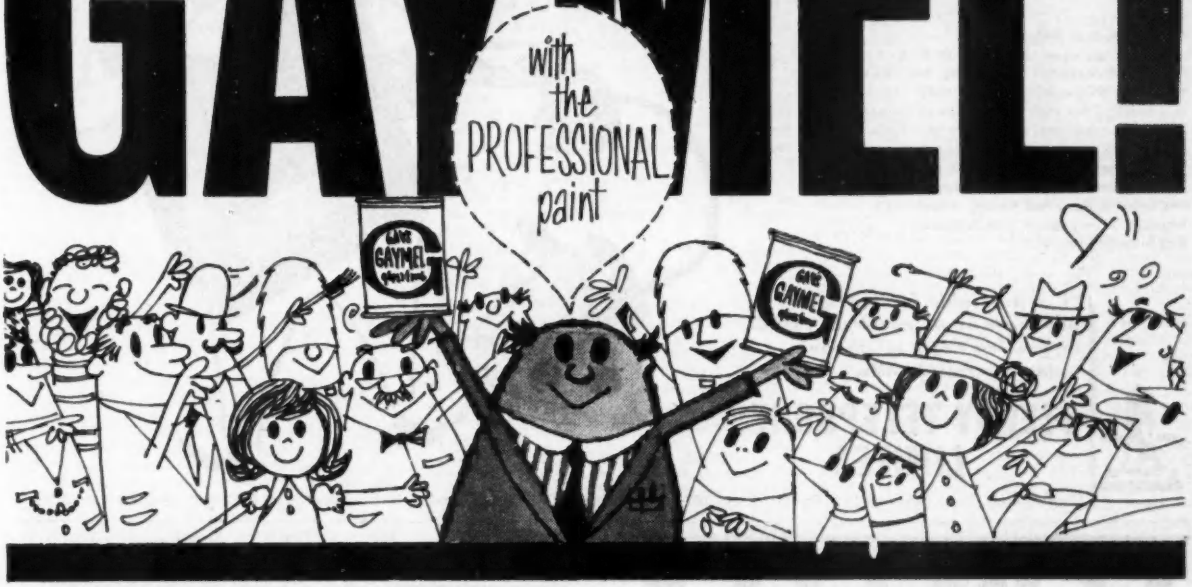
MUNICIPAL AND CIVIL ENGINEERING WORKS, ETC.

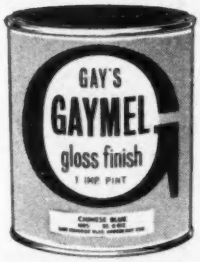
MAY 31

WITHAM UDC.—Surface dressing of approx. 15,600 sq. yd. of carriageway. E&S.

everyone's going

GAYMEL!





The new yellow pack has been busy making new friends for Gaymel wherever you look. And Gaymel's professional points are cementing the friendship with the Professionals to whom they really matter. Super flow from the brush, extra high opacity, light-fast in colour, and a porcelain hard grime-resisting gloss . . . no wonder everyone's going gay with GAYMEL!

BUFFER STOCKS AND STREAMLINED PRODUCTION PAY OFF

Production now geared to all time high, with laboratory control standards magnificently maintained at Gay's new plant. This coupled with new warehouses to cope with the new demand created by Gay's publicity campaign.

SUPPLIES NEED NEVER BE OUT OF STOCK

With 50 colours of the Gay range always in stock and delivered in 24 hours by streamlined delivery, and a further selection of 54 colours available at short notice, your wholesale supplier need never be out of the paint you want—GAYMEL!

GAY'S LAURELS HAVE BEEN WON DURING 60 YEARS OF LIFEBOAT SERVICE!

Remember, Gay's paints withstand the most gruelling test of all—exposure to sun, wind and sea every day and night of the year. Every RNLI lifeboat and station is kept shipshape and Bristol fashion through all weathers with GAYMEL.

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I'm your automatic front door receptionist

SAYS STERDY PORTER

"I don't want to brag but you won't find my equal anywhere. In flats, Offices and converted houses I can deal diplomatically with front door callers 24 hours a day. At the push of a button I put each one through to the appropriate occupant's telephone, admit them only when so desired and relock the door as they close it. That means no tiring journeys up and down stairs for residents, no 'gate crashers' and no need for a Hall Porter. Small wonder I'm so popular with Architects and Builders everywhere."

"I'm available for outright purchase or on excellent rental terms—so write or phone today for full details."

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Is a means of levelling uneven surfaces, i.e., concrete, granolithic, floorboards, Tiles, Flagstones, Brickpaving, etc., to receive Floor-finishes such as Linoleum, carpets, wood-block, parquet, cork tiling, etc., with a minimum of thickness. It can be laid from $\frac{1}{16}''$ to $\frac{1}{4}''$ thickness and can be trowelled to a "feather-edge." Setting time is approximately 5—7 hours and hardening time 12—14 hours according to atmospheric conditions.

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JUNE 1

TAUNTON BC.—Fixed price tenders for the laying of approx. 9,200yd. of 4 to 9in. spun-iron pipes, with Tyton joints, at Kingston-St. Mary. E&M. Dep. £2 2s.

JUNE 2

OXFORD CITY C.—Fixed price tenders for roads and sewers, etc., for Cowley centre development. City E&S.

JUNE 3

(A) CARDIFF CITY C.—Supply and delivery of approx. 400 super. yd. of hardwood floor blocks and approx. 270 squares of prime quality Canadian Rock Maple (Acer Saccharum) strip flooring. City A.

ST. ALBANS CITY C.—3,900 sq. yd. of concrete roads, 430 lin. yd. of 6 to 9in. dia. SW sewer, 430 lin. yd. of 6in. foul water sewer, etc., at Jersey Farm estate, Marshalswick. City E.

JUNE 7

ESTON UDC.—Fixed price tenders for supplying and laying of approx. 1,000 tons of single course and fine cold asphalt, by mechanical spreader, on existing surface of various roads in Eston. E&S. Dep. £2.

READING CBC.—6,000 sq. yd. (approx.) of carriageways, with foul and SW sewers, at The Laurels housing estate. Boro' S. Dep. £2 2s.

JUNE 9

DEWSBURY CBC. — Construction of approx. 2,215 sq. yd. of tarmacadam carriageway and 920 sq. ft. of concrete flagged footpaths at Stockhill-st. Boro' E&S.

JUNE 13

CARLISLE CITY C.—Laying of two miles of 18in., 3½ miles of 15in., two-thirds of a mile of 12in., and one mile of 8in. dia. concrete lined cast-iron pipes, etc., in or near the City of Carlisle. Rofe & Raffety, constg. engs., 9 Brewers Green, Buckingham Gate, SW1. Dep. £2 2s.

NORTH COTSWOLD RDC.—Fixed price tenders for the laying of approx. 2,000 lin. yd. of 6in. sewer and the construction of a sewage pumping station, rising main and treatment works for the Village of Naunton. John H. Haiste & Ptnrs., Ccl's. constg. engrs., 8/10 Southgate-st., Gloucester. Dep. £5 5s.

RUGBY RDC.—Laying of 1¼ miles of 6in. salt glazed ware and asbestos-cement sewers with concrete tube manholes, two pumping stations and sewage purification works, etc., at the village of Willoughby. J. D. & D. M. Watson, Ccl's. constg. engrs., 67 Tufton-st., SW1. Dep. £10 10s.

JUNE 14

POOLE BC.—Construction of sewerage system at Canford and Merley. J. D. & D. M. Watson, constg. engrs., 67 Tufton-st., Westminster, SW1. Dep. £10 10s.

JULY 12

WEST DEAN RDC.—Fixed price tenders for approx. 2,025 lin. yd. of 5 to 12in. dia. iron sewers, 190 lin. yd. of 9in. dia. steel sewer, 6,800 lin. yd. of 9in. dia. concrete, and 6in. dia. glazed stoneware pipe sewers, together with concrete tube manholes, sewage pumping station, and approx. 3,500 lin. yd. of 5in. dia. spun-iron rising main and sewage disposal works, etc., at Lydbrook. Wilcox, Raikes & Marshall, Ccl's. constg. engrs., 33 Gt. Charles-st., Birmingham 3. Dep. £5 5s.

GENERAL BUILDING WORK (LONDON)

BARNET.—School Development.—Subject to the approval of the MoE and consent to loan and planning permission, Middx. CC has authorised the expenditure of £515,000, plus £16,320 for professional fees, for the final phase of the development of Trent Park College.

WESTMINSTER.—Redevelopment.—Plans for the redevelopment of Nos. 5, 6 and 7 Carlton-gdns., off Pall Mall, SW1, as a block of offices and flats are being considered by the Crown Estates Commissioners. No final plan has yet been approved. No. 5 Carlton-gdns. is at present the home of Lord Bossom, No. 6 is the ladies' annexe of the Athenaeum Club and No. 7 is held by the MoW.

Contracts Placed

We are glad to receive from architects and quantity surveyors for publication details of contracts placed to the value of £20,000 or over. Such information should reach the Editor as soon as possible after the contract is signed. Names of the architect and other consultants associated should be given.

(PROVINCIAL)

ALFRETON.—RC Auth. propose new prim. sch. at Firs estate site.

ALSAGAR.—UDC propose 12 aged persons' bungalows at Cedar-ave.

ASCOT.—The Royal Hotel, Ascot, is to be rebuilt if a scheme at present under consideration comes to fruition. Plans are under consideration between Mr. Alec Taylor, the proprietor, the local planning authority, and the Crown Estate Commissioners as freeholders of the property, for the erection of a new hotel building about nine storeys high. It is understood that the scheme is in its early stages. Architects are Messrs. Moiret & Wood.

ASHTON-UNDER-LYNE. — BC propose development of industrial estate, south of proposed by-pass road.

BARROW-IN-FURNESS.—Barrow Labour Party propose now club and community hall at Albert-pl.

BIRKENHEAD.—BC propose three 14-storey blocks of flats at Upton By-pass, and 124 dwellings/28 garages at Queensbury-st.

BLACKBURN.—School managers of St. Matthews CoE sch. propose extensions and alterations.

BOLTON.—EC propose erection of county grammar sch. at Breightmet, £188,179 est.; and county technical sch. at Deane, £230,000 est.

BOURNEMOUTH. — Pineland (Bournemouth) Ltd. propose to erect petrol service station and four pumps at 26a Wimborne-rd. . . . TC to consider a proposal to establish a multi-storey car park, conference hall—with visitors' shelter lounge—on site of 10 and 12 Bath-rd.

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BRACKNELL.—Plans are reported to be in an advanced stage for a proposed new factory for Ferranti Ltd. at Western-rd.

BRADFORD.—Following for EC:—Sec. sch. at Lister-ave.; extensions to teaching and Residential blocks at Margaret McMillan Memorial Training College; laboratories and classrooms at Technical College.

BRIDGNORTH.—Annol Brothers Ltd., Erdington, Birmingham, are to erect 70 houses at Alveley.

BURY.—Manchester Regional Hospital Bd. propose twin operating theatre unit at General Hospital.

CARLISLE.—Following for TC:—New municipal offices, council chamber and assembly hall; shops/offices/business premises at English-st./Lowther-st.

CHESTERFIELD.—Chesterfield and District Co-op. Soc. Ltd. to erect warehouse at Highfield-rd.

COCKERMOUTH.—RDC to erect 15 old people's houses at Papcastle and 24 dwellings at Dearham.

CONSETT.—Plans are being prepared by Frazer & Ptnrs., 30 Barton Arcade, Manchester 3, for the erection of two-storey retail shops on site of Railway Hotel, Middle-st., for Five City Properties Ltd., St. James's, SW1. . . . Messrs. Donagbys, fruit merchants, etc., Watling-st., Leadgate, are to erect wholesale premises at Sherburn-Terr., Consett. No architects have been selected.

CONWAY.—North Wales Marine Industries Ltd. propose erection of boat building workshop, showroom, office and shop and petrol filling station at Conway-rd., Llandudno Junction.

CROOK (Co. Durham).—UDC has asked MH&LG to increase its housing allocation this year from 80 to 100 houses. The Council's architects are Page, Son & Hill, 75 King-st., South Shields.

CUCKFIELD.—UDC have been given permission by MH&LG to build 38 houses or flats for letting during 1960.

CUMBERLAND.—CC to spend £15,000 on provision of a car park for 350 cars. County A is J. H. Haughan, Portland-sq., Carlisle.

DARLINGTON.—Gillinson & Barnett, 8 Queen-sq., Leeds, have prepared outline plans for shops at Northgate and Albion-st. for the Shop Construction Group of Companies.

DEWSBURY.—BC propose community centre at Chickenley-la.

DURHAM.—Richard Turley, 71 Kenton-rd., Gosforth, has been appointed architect by the CC for a new sec. mod. sch. at Staindro. . . . CC to consider a £400,000 scheme for a traffic roundabout at White Mare Pool, nr. Felling. County S is W. H. B. Cotton.

ECCLESHALL.—RDC propose 33 houses and six bungalows at Stone.

EUXTON (Lancs.).—Erection of hall, three classrooms, kitchen and ancillary accommodation at Euxton CoE (aided) sch. proposed for the Governors. Est. £19,996.

FROME.—UDC propose scheme for a car-park at Bridge-st. for 40/50 cars, etc. . . . Boro' S has been instructed to prepare plans for redevelopment of slum clearance area in vicinity of Duke-st.

GATESHEAD.—The Home Office have deferred consideration until next year of TC's scheme for a modern police station at Shipcote. Boro' E is G. F. Winters.

GLOSSOP. — Ferrostatics Ltd. propose erection of a single-storey factory and offices at Surrey-st.

GOLBORNE.—UDC propose conversion of Scotia North Hostel for housing purposes.

HALTWHISTLE.—RDC have received inquiries from two firms considering the erection of factories on sites at Plenmeller.

HASLINGDEN.—BC propose alterations and extensions to municipal offices. Est. £21,700.

HYDE.—Messrs. R. Lowe & E. Booth propose converting Hippodrome Cinema into supermarket.

JARROW.—Plans have been prepared by M. & H. Gatoff, 26 Mosley-st., Newcastle-on-Tyne, for offices, with flat above, at Curlew-rd. for Castle Structures Ltd., Curlew-rd., Jarrow. . . . Boro' E (H. W. T. Perkins) has prepared a scheme for another 104 houses in the Boldon overspill area. . . . The Neon Social Club & Institute Ltd. are seeking land to extend their premises.

LANCASTER. — TC propose housing development at Patterdale-rd.

LEEDS.—TC propose new health centre at Burmantofts. Est. £30,810.

LIMERICK.—The Corporation of Limerick have approved a £500,000 plan to eradicate 10 acres of slum land and replace it with blocks of flats capable of accommodating 200 families. The area to be demolished is Watergate, part of the old city of Limerick. The Irish Government will pay two-thirds of the cost of the new scheme.

LINCOLN.—Sheffield Regional Hospital Bd. propose ante-natal clinic at St. George's Hospital.

LISHFIELD.—RDC propose erection of 55 houses at Alrewas and 80 houses at Oakdene estate, Burntwood.

LIVERPOOL.—J. Davy Ltd. propose two-storey car showroom and offices at Dovedale-rd.

LLANDUDNO.—Erection of new residential sch. for physicaliy handicapped children proposed for Caerns. CC.

LONDONDERRY.—A. T. Marshall, 1 Harbour-sq., Londonderry, is the architect, and F. H. Wright & Ptnrs., 79 Botanic-ave., Belfast, the quantity surveyors, for a new sch. to be erected at Springtown for Board of Governors, Foyle College. Est. £150,000.

LONGTON.—Charles H. Pugh Ltd. propose erection of 24 houses at The Grove, Liverpool-rd.

LYNDHURST (Hants).—New Forest RDC to open negotiations for acquisition of land at Northwood, Lyndhurst, as a site for 40 houses. . . . TP Com. recommend approval of revised plans for new municipal buildings off Stanford-rd.

MANCHESTER.—A seven-storey office and showroom block is to be built on the site of Theatre Royal, Manchester, which will be demolished. The TP Com., which approved the scheme, rejected appeals that the theatre should be preserved as a building of historic merit.

MANSFIELD.—A. Richardson & Son Ltd. propose erection of warehouse at Chesterfield-rd. South. . . . W. Scott (Nottingham) Estate Co. Ltd. propose 10 houses and two bungalows at Newport-st., Shelton-close, Oundle-drive. . . . R. L. Jones & Co. Ltd. propose factory extension at Corporation-st. . . . V. G. Yeomans propose 12 bungalows at Westdale-rd.

MATLOCK.—Following for Derbys. EC.—Grammar sch. at Asker Farm estate; science block, gymnasium and residential block for 125 students during 1962/3 at Teachers' Training College. . . . G. Wimpey & Co. Ltd. propose 60 houses and bungalows at Chesterfield-rd.

MIDDLESBROUGH.—The Tees Valley & Cleveland Water Bd., Corporation-rd., Middlesbrough, have authorised a start on plans for the Upland water diversion scheme to cost £292,000, and the Broken Scar raw water development scheme to cost over £2,200,000.

NEWCASTLE-ON-TYNE. — During the next five years, the City Welfare Com. propose erecting five old people's homes at a cost of £250,000. . . . City C. to spend £10,000 laying out 47 allotments with greenhouses and potting sheds at Denton Dene.

NORTH STAFFS.—University College Auth. propose women's hall No. 4 and biology laboratory. £60,000 est.

NORTHUMBERLAND.—CC approved in principle a £13,000 scheme for a child welfare centre at Brunton Park. County A is C. C. Brown.

NORTHWICH.—RDC propose to develop Leftwich Green for housing purposes.

NOTTINGHAM.—University Auth. propose erection of six halls of residence at University Park.

OLDHAM.—BC propose police housing at Ripponden-rd., after demolition of existing property. Est. £25,000.

POOLE.—Estates Com. recommends erection of a 15-storey block of flats between Dear Hay-la. and Towngate-st., in the Old Town.

PORTSMOUTH.—Roads, Works & Drainage Com. propose to give further consideration to the construction of an elevated highway spanning the length of Portsea Island as part of long term proposals for dealing with City's traffic problems.

PRESTON.—The Calgary & Edmonston Lane Co. Ltd. propose developing shopping centre on site of old Town Hall.

RADCLIFFE.—Donald Macpherson & Co. Ltd. propose erection of a sports pavilion at Warth.

ROCHDALE.—BC propose extensions to transport depot.

RUNCORN.—Mr. S. Tilston proposes erection of 11 bungalows at Heath-rd. . . . ICI Ltd., General Chemicals Division, Liverpool, propose erecting office buildings at Rocksavage-wks. and Castner-Kellner-wks.

SALISBURY.—City C has approved the building of 74 houses at Bishopdown estate at a cost of £101,931. Application for loan sanction is to be made. . . . Messrs. Aidas Electrics, manufacturers of water heaters and other electrical products, have bought vacant factory premises at Castle-rd.

SEDGEFIELD.—RDC Housing A (R. Dobson) has prepared layout plan for houses at rear of Bishop Middleham High-st.

SETTLE.—RDC propose 44 houses at Bentham.

SHEFFIELD.—Tennant Bros. Ltd. propose new hotel at junction Foxhill-rd./Lyminster-rd. Est. £25,000.

SHEFFIELD.—Cole Bros. Ltd., Fargate, Sheffield 1, propose new multiple store at Burgess-st. . . . Following for Regional Hospital Bd.:—Sanitary annexes at Mapperley Hospital, Nottingham; new ward and casualty dept. at Eye Hospital, Nottingham; staff dining facilities at Saxondale Hospital, Radcliffe-on-Trent; new boiler house at City Hospital, Sheffield.

SHIPLEY.—Moore Johnston Ltd., Bradford, propose erection of new factory.

SKIPTON.—RDC has given planning consent for 35 bungalows to be built by North and Lamb, in Addingham

SKIPTON.—UDC propose erection of bungalows and five shops with flats over at Newmarket-st.

SOUTHPORT.—C. H. Harvey (Properties) Ltd. propose 18 flats, seven maisonettes and six shops at Lord-st.

STAFFORD. — Work has been commenced by British Railways on the reconstruction of Stafford station in preparation for the electrification of the London Midland main line. The existing station buildings which, apart from some alterations and additions in 1888, are substantially the same as when they were built in 1850, will be completely demolished and the construction of a new station of modern design will start this year. The work is being carried out by Mr. A. N. Butland, Chief Civil Engineer, London Midland Region. Architectural layout is by Mr. W. R. Headley, Regional Architect.

STANLEY (Co. Durham).—Fennell & Baddiley, Bridge End-chbrs., Chester-le-Street, have prepared plans for bungalows at Clyde-st., East Stanley, and at Chapel-st., Shield Row.

STOCKPORT.—BC propose erection of ambulance depot at Heaton-la. and combined clinic at North Reddish.

STOCKTON-ON-TEES.—E. Hullah & Co., Grey-st., Stockton, are to erect workshop, offices, store, etc., at Emmanuel-st. The cost of the work, including the purchase of the land, will be £7,000. . . . W. & T. Avery Ltd., Prudhoe-st., Newcastle-on-Tyne, propose new premises at Brunswick-st. redevelopment area. . . . Ideal Builders (Stockton) Ltd., 76 Hartsburn-ave., Stockton, are to erect 16 three-bedroomed houses at rear of Crook-st. and Station-rd., Stockton. . . . Charles Tennet (Contractors) Ltd., Church-rd., Stockton, are to erect modern filling station, lubrication bay, toilets etc., on site of St. James' Church, Portrack-la. . . . Boro' E. has prepared plans for roads and sewers at Hardwick estate (Stage 3), est. to cost £50,000.

STOKE-ON-TRENT.—Staffs. EC propose Phase 1 of new building for catering dept. at North Staffordshire Technical College. Est. £35,750. . . . Lewis's Ltd. propose rebuilding a store at Hanley.

STOKESLEY.—RDC propose new council offices at Manor House.

STRETFORD.—Cardinal Vaughn sec. sch. and Seymour Park county sec. sch. are to be transferred to new sites. . . . Mr. J. J. Cairns proposes erection of block of flats at Talbot-rd.

SUNDERLAND.—A firm, whose name has not been disclosed, is negotiating for a 20-acre site at Sunderland for light industrial purposes.

SUNDERLAND.—W. H. Smith & Son Ltd., London, WC2, are to erect a wholesale house, showrooms, loading bays and offices at West Wear-st. The architects are Petch & Fermaud, Seymour-st., London. . . . 15 flats, costing £21,000, are proposed at Mowbray-rd. for the TC. . . . Messrs. Binns Ltd. are to erect a five-storey store at the junction of Fawcett-st. and Borough-rd. G. Jeeves, architect. . . . Extensions are proposed to a factory for Ditchburns Ltd., Villiers-st. Cost will be £14,000. . . . Working drawings are in hand for a proposed £200,000 abattoir to be built at Fulwell for the TC. . . . G. T. Brown & Son, Grange-terr., Stockton-rd., are the architects for a proposed garage and workshop at Back Holmside and Park-la. for Binns Ltd., and for 24 semi-detached houses nr. Tunstall-rd. for Major A. A. M. Gregson.

WALLSEND.—Plans have been approved for a technical college at Coast-rd., Wallsend, for Northumberland CC. . . . The Home Office has informed the TC that its scheme for new courthouse would be considered when schemes for 1961-2 are prepared.

WARMINSTER.—Messrs. E. G. Morgan Ltd. propose to build an estate of 108 houses at the Manor House grounds. . . . Messrs. G. F. A. Grapnell have submitted application for planning permission in respect of a site for 23 bungalows with garages on south side of Victoria-rd.

WARRINGTON.—TC have approved the return to R. Rowson & Sons Ltd. of land that was compulsorily purchased from them in connection with the Barbould-st. roundabout scheme. The firm are to build four three-storey shops on the land.

WHITLEY BAY.—Boro' E. (E. Roberts), acting on behalf of Northumberland CC, is to prepare plans for a £70,000 bridge at Seaton Sluice. The work, however, is not expected to start until 1963.

WIGTON.—RDC to build 22 old people's bungalows at Western Bank estate.

WILMSLOW.—The Airport Development Co. of Manchester propose erection of ultra-modern residential hotel at town centre. Est. £800,000.

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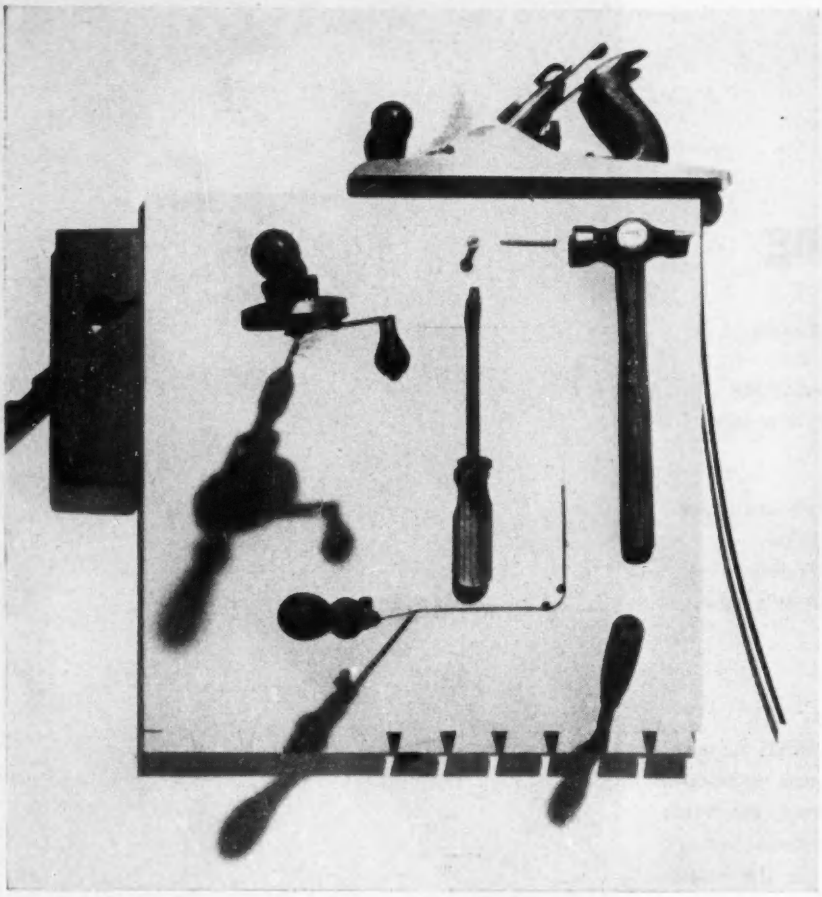

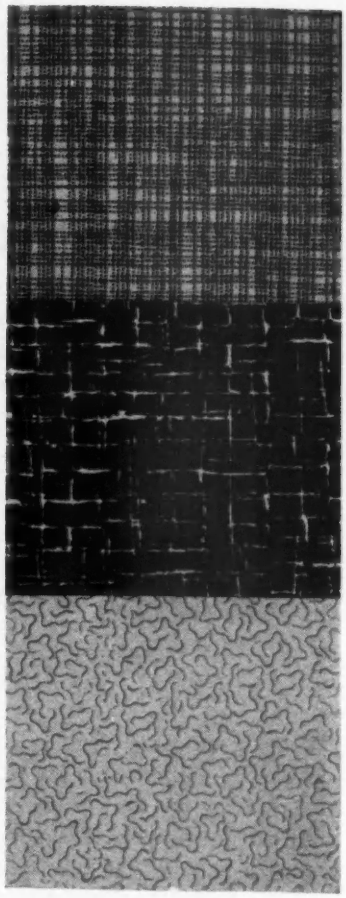

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82 (BLOCK CAPITALS, PLEASE)

TENDERS

(A) Denotes *accepted*.
(PA) Denotes *provisionally accepted*.
(RA) Denotes *recommended for acceptance*.
(AM) Denotes *accepted subject to modification*.
(GD) Denotes *accepted subject to approval by appropriate Government Department*.

ACTON.—39 flats and maisonettes at Enfield-rd. for BC. (A) W. J. Marston & Son Ltd., £104,268.

ASHINGTON (North'd.).—Erection of three-storey ward block at Ashington Hospital for Newcastle Regional Hospital Bd., Benfield-rd., Newcastle-on-Tyne. (A) R. Carse & Son, Prospect-rd., Amble, Northumberland.

AYLESBURY.—Sewerage and sewage disposal works at Grendon Underwood. Elliot & Brown, architects. (A) Turriff Construction Corporation Ltd., Budbrooke-rd., Warwick.

BARNSLEY.—90 houses at Gawber-rd. for BC. (A) Harlow & Milner Ltd., Warrengate, Wakefield, £100,196.

BIRMINGHAM.—Construction of new furnace buildings, etc., at Bromford-la. for Stewart & Lloyds Ltd. (A) Turriff Construction Corporation Ltd.

BIRMINGHAM.—New passenger handling building at Birmingham (Elmdon) Airport. Norman & Dawbarn, architects. (A) Wilson Lovatt & Sons Ltd., £176,000 (approx.).

BRISTOL.—Erection of 14 concrete bridges on Northern section of Bristol-Birmingham Motorway for Worcester CC. (A) Wilson Lovatt & Sons Ltd., £360,000 (approx.).

BULLINGDON.—10 old people's bungalows, two houses and 10 houses for sale at Watlington for RDC. (A) H. Emery & Sons Ltd., £38,000.

CAMBERLEY.—New assembly hall at the Royal Military Academy, Sandhurst. A. M. Gear, architect. (A) Wilson Lovatt & Sons Ltd. Est. £150,000.

CARLISLE.—Following for CBC:— Erection of four one-bedroom flats at Lund-cres., Coney-st. (A) Direct Labour, £4,063.—Roads at Morton estate. (A) Border Engineering Contractors Ltd., Whitehaven, £8,334.

CHELMSFORD.—Fixed price tenders for erection of livestock market (phase 2 development) for BC. Boro' E&S is E. P. Allen. (GD) Concrete Piling Ltd., Artillery Row, Victoria, SW1, £67,646.

CHESTER-LE-STREET.—Erection of canteen for Caterpillar Tractor Co. Ltd. Wilson Hamilton & Wilson, 5 Woodside-terr., Charing Cross, Glasgow, architects. (A) Stephen Easten Ltd., Westgate Hill Grange, 275 Westgate-rd., Newcastle-on-Tyne.

CROYDON.—Erection of a seven-storey office block on site of old Davis Theatre for Eron Investments Ltd. Graham Crump & Denis Crump, 43 George-st., Croydon, architects. Crosher & James, quantity surveyors. (A) Holland & Hannen and Cubitts (Great Britain) Ltd., London, SW1.

CROYDON.—Erection of concert hall, small theatre and art gallery on site adjacent to Park-la. for CBC. Robert Atkinson & Ptnrs., architects. (A) Holloway Brothers (London) Ltd. Est. £1m.

DARLINGTON.—Construction of roads, sewers, etc., at Hummersknott estate for TC. (A) Direct labour, £28,730.

DURHAM.—Erection of residential nursery at Brandon for CC. County A is G. R. Clayton. (A) Gradon & Son, North-rd., Durham, £12,626.

EAST HAM.—Erection of a seven-storey classroom and workshop at East Ham Municipal College, East Ham High-st., for BC. Oscar Faber & Ptnrs., architects. (A) Wilson Lovatt & Sons Ltd., £714,000 (approx.).

GRANTHAM.—New factory, boiler house, canteen, office block etc., for Wolsey Ltd. (A) Turriff Construction Corporation Ltd.

HALTWHISTLE.—Erection of highways depot at Haltwistle for Northumberland CC. (A) T. D. Bird & Co. Ltd., 13 Hencotes, Hexham, £11,198.

KENSINGTON.—New students' hostel at the Imperial College of Science, South Kensington. Richard Shepherd & Robson, architects. (A) Wilson Lovatt & Sons Ltd., £1,030,000 (approx.).

LONDON CC.—Construction of a National Youth and Sports Centre at Crystal Palace, London. Designed by the LCC architect's dept., under the direction of Hubert Bennett. (A) M. J. Gleeson (Contractors) Ltd., North Cheam, Surrey. Est. £2m.

(GD) LONDON (Admiralty). — Contracts over £1,000 in value:— *Cornwall:* Terrazzo and plastering work, Bristol Art Floors Ltd., Bristol. *Kent:* Road improvements, P. A. Bardon & Sons Ltd., Maidstone.—Bored piled underpinning, The Pressure Piling Co. (Parent) Ltd., SE15. *Pembrokeshire:* Test boreholes, George Wimpey & Co. Ltd., Hayes. *N. Ireland:* Resurfacing roads, John McQuillan Ltd., Belfast.

(GD) LONDON (Air Ministry).—Contracts to the value of £500 or over for week ended May 13:— *Building work:* Driffield, Full Sutton, Breighton (etc.), Yorks., Adam Eastwood & Sons Ltd., Warsop, Mansfield, Notts.; West Ruislip, Middx., Lavender McMillan (Contractors) Ltd., 54 Cheam Common-rd., Worcester Park, Surrey; Shetland Islands, N.B., R. Pert & Sons Ltd., Lower Balmain-st., Montrose, Angus, Scotland; Near Maidstone, Kent, R. Corben & Son Ltd., West Borough, Maidstone, Kent; Ternhill, Salop, C. A. Horton Ltd., North-st., Brierley Hill, Staffs. *Runway work:* London Airport, Middx., Higgs & Hill Ltd., Crown-wks., South Lambeth-rd., SW8. *Artificers' work:* Calshot (Southampton), Hants., H. G. Ross & Sons Ltd., Victoria-rd., Netley Abbey, Southampton, Hants. *Installation* (oil fired boiler plant): Lakenheath, Suffolk, G. N. Haden & Sons Ltd., PO Box No. 14, 7-12 Tavistock-sq., WC1.

(GD) LONDON (British Railways).—Recent contracts placed by Eastern Region:—Walter Lawrence & Son Ltd., 31 Sun-st., London, EC2, for provision of staff accommodation at Canning Town.—Messrs. Haymills (Contractors) Ltd., 'Empire House,' Hanger Green, Ealing, W5, for construction of ancillary buildings at Stratford diesel maintenance depot.—James Miller & Ptrns. Ltd., Pump-la. Hayes, Middlesex, for construction of servicing shed, including inspection pits and ancillary buildings, rc. bund walls, sand bunker foundations, drainage, pumphouses, water supply, diesel fuel pipe ducts and fuelling points for Temple Mills motive power depot.—Standard Telephones and Cables Ltd., North Woolwich, London, E16, for supply and installation of plain and corrugated sheathed telecommunications cables between Fenchurch Street and Shoeburyness and connecting branches.—J. Dixon (Doncaster) Ltd., Greenfield-la., Balby, Doncaster, for provision of staff accommodation at Manvers Main colliery.—Cubitt & Gotts Ltd., Station-wks., Westerfield, Ipswich, for construction of signal box at Witham.—Mr. Charles R. Price, Barnsley-rd., Doncaster, for construction of 70ft. turntable foundation in brick and concrete at Doncaster motive power depot.

(GD) LONDON (British Railways).—Recent contracts placed by North Eastern Region:—Wellerman Bros., Sheffield, for strengthening of Bothal Viaduct, nr. Morpeth.—Brighouse Estate Co. (Builders) Ltd., Bradford, for alterations to a warehouse at Kidacre-st., Leeds.—Dowsett Engineering Construction Ltd., Gateshead, for construction of main line embankment and drainage works in connection with a new marshalling yard at Lamesley.—R. Costain Ltd., Newcastle, for provision of foundations, etc., for carriage washing machines at South Gosford and Heaton.—J. R. Rutherford & Sons Ltd., Newcastle, for building work at Greensfield motive power depot, Gateshead.—F. & J. Watkinson, Bradford, for temporary staff accommodation at Leeds City.

(GD) LONDON (British Railways).—Recent contracts placed by North Eastern Region:—S. H. Heywood & Co. Ltd., Manchester, for the provision of improved electric lighting at Darlington Bank top passenger station.—H. Williams Ltd., Watford, for the supply and installation of Integra system of route relay interlocking, control machine and associated equipment for a signal box in the South Yard, York.—Wright Anderson & Co. Ltd., Gateshead, for the supply and fabrication of steelwork for traffic manager's new office block at Paragon Station, Hull.—The Mitchell Construction Co. Ltd., Peterborough, for the construction of four bridges in connection with a new marshalling yard at Lamesley.—Carter Horseley Ltd., Sheffield, for the demolition of part of the station roof at Leeds City.—R. Hudson & Sons (Contractors) Ltd., Sunderland, for the erection of a new power house for the new signal box at Pelaw.—Brightside Heating & Engineering Co. Ltd., Newcastle, for the supply of low pressure hot water heating installation in the North Goods Office at Keighley.

(GD) LONDON (MoW).—Contracts placed for week ended April 29:— *Argyllshire:* Adaptations at Head Post Office, Dunoon; W. H. Kirkwood Ltd., 45 Dalrymple-st., Greenock, Renfrewshire. *Berkshire:* Drainage to latrine block in airing courts at Broadmoor Institution, Crowthorne; Goodall, Barnard & Clayton Ltd., 61 Worting-rd., Basingstoke, Hants. *Buckinghamshire:* Installation of boilers, pipework and oil-firing equipment at Joint Services Staff College, Latimer-hse., Chesham; Southern Heating Ltd., Cox Green, Maidenhead. *Cardiganshire:* Electricity supply at MoAv., OP.18, Aberporth; Cable Jointers Ltd., 129 High-st., Acton, W3. *Dumfriesshire:* Alterations at Head Post Office, Loreburn-st., Dumfries; B. K. Brown & Sons, Eastfield-rd., Dumfries. *Essex:* Erection of HM Borstal Institution, Bullwood Hall, Rayleigh; Lavender McMillan (Contractors) Ltd., 54 Cheam Common-rd., Worcester Park, Surrey. *Kent:* Erection of temporary hutting at Joint Office Building, Tunbridge Wells; Robt. H. Hall & Co. Ltd., Paddock Wood, Tonbridge. *London:* Erection, etc., of chlorination plant at Serpentine Lido, Hyde Park; R. Mitchell & Co. (Engineers) Ltd., Caxton-st. north, Silverton Way, E16.—New staircase in west wing of Somerset House, Strand, WC2; T. G. Waterman Ltd., Pavilion Yard, 187/9 Whitechapel-rd., E1.—Modernisation of lavatory accommodation at Joint Office Building, 17 North Audley-st., W1; Sykes & Son Ltd., 8 Essex-st., Strand, WC2.—Alterations and decorations at MoT, 23/25 Soho-sq., W1; E. J. Lacey & Co. Ltd., Steele-rd., NW10. *Middlesex:* Erection of Post Office, Potters Bar; C. L. Nye Ltd., Caxton-wks., Cranbourne-rd., Potters Bar.

(GD) LONDON (War Dept.).—Works contracts placed for week ended May 6:— *Hampshire* (Barton Stacey): Painting, T. H. Kenyon & Sons Ltd., London, W9.—(Bourley

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Camp): Cooking equipment, G. F. E. Bartlett & Son Ltd., Hemel Hempstead. *Huntingdonshire* (St. Neots): Painting, Fields Ltd., Richmond, Surrey. *Kent* (Ashford): Roofing, J. J. Clayson & Son Ltd., Folkestone.—(East Kent), Painting and decorating, George Jones & Son (Contractors) Ltd., London, W8. *Lancashire* (Preston): Painting and decorating, Alan Entwistle, Farnworth. *Monmouthshire* (Chepstow): Electrical, The Colston Electrical Co. Ltd., Bristol, 1. *Pembrokeshire* (Tenby): Fencing, Fencraft Engineering Ltd., Grantham. *Yorkshire* (Ripon): Building, James Miller & Partners Ltd., Wakefield.

LURGAN (Co. Armagh).—Erection of a factory at Robert-st., Lurgan, for Ministry of Commerce. (A) H. & J. Martin Ltd., Ormeau-rd., Belfast.

MANCHESTER.—Extensions to printing works at Great Ancoats-st. for Beaverbrook Newspapers Ltd. Sir Owen Williams & Ptnrs., constg. engrs. and architects. (A) J. Gerrard & Sons Ltd., £126,500.

MANCHESTER.—New terminal apron, and other work, at Manchester Airport for City C. The works have been designed and will be supervised by the Manchester City Surveyor's department (City E&S—Mr. Rowland Nicholas) (A) Richard Costain (Civil Engineering) Ltd. Est £700,000.

MANCHESTER.—Warehouse and offices at South-st., Hulme, for Gordon Slater Ltd. (A) Wm. Thorpe & Son Ltd., Chester-rd., Manchester 16.—Following for TC:—Reinforced concrete frame for nine-storey block at Hollyhedge Roundabout, Wythenshawe, (A) Truscon Ltd., London.—326 houses, shops, three laundries at Miles Platting redevelopment area. (A) Direct labour.

NEATH.—44 'Homeville' houses and flats at Cimla No. 3 site for BC. (A) Staverton Contractors (Wales) Ltd., Cardiff.

NEWCASTLE-ON-TYNE.—Alterations and adaptations to the workshops for the blind at Whickham View for City C. City A is G. Kenyon. (A) F. W. Briggs & Son, High-st., Gateshead, £16,595.—Erection of 24 bungalows in connection with the rebuilding of St. Mary Magdalene Hospital for City C. G. H. Gray & Ptnrs., architects. (A) R. Bowey & Son Ltd., Gosforth, £54,895.—Extension to linear accelerator building at Newcastle General Hospital for Newcastle Regional Hospital Bd. (A) G. Bainbridge Ltd., £14,833.

NEWCASTLE - UNDER - LYME. — New hotel, 'The Potter's Wheel,' at Bradwell-la. for Bass, Ratcliff & Gretton Ltd., Burton-on-Trent. (A) H. Brereton & Sons Ltd., Queen-st works, Tunstall.

NORTH SHIELDS.—Builders' work in connection with engineering services at Preston Hospital for Newcastle Hospital Bd. (A) R. Jordan Ltd., Back Queen Alexandra-rd., North Shields, £5,771 (in lieu of tender withdrawn).

PERIVALE (Middx.).—Extension to factory and offices at Aintree-rd. for Simmons Bedding Ltd. E. Firmin & Ptnrs., architects. (A) Percy Bilton Ltd. Est. £85,000.

PLYMOUTH.—New studios for Westward Television. Treadgold & Elsey, Uxbridge, Middx., architects. (A) John Garrett & Son Ltd., Plymouth.

RICHMOND.—Erection of six bungalows at Aldbrough St. John and four at Catterick for RDC. (A) C. Chapleo & Son, Leyburn, Yorkshire.

RUGBY.—Construction of rc viaduct to carry the main Birmingham to London Railway line over the Crewe-Rugby line for British Railways. (A) Wilson Lovatt & Sons Ltd., £385,000 (approx.).

SOUTH SHIELDS.—Extensions to clothing factory at Commercial-rd. for S. Newman Ltd. Jack Cotton, Ballard & Blow, 48 Pilgrim-st., Newcastle-on-Tyne, architects. (A) J. Cummings, Matamba-terr., Sunderland.

STANLEY.—Erection of 100 houses and 14 garages at Good-st., Stanley, for UDC. (A) Direct labour.

SUFFOLK.—New factory at Sudbury for Gainsborough Cornard Ltd. Stanley Peach & Ptnrs., 28 Eccleston-sq., SW1, architects. (A) Howard Farrow Ltd., Russell-parade, Golders Green-rd., NW11. Est. £180,000.

THORNABY-ON-TEES.—Erection of 19 bungalows nr. Lanehouse-rd. for TC. Boro' E is J. L. Watson. (A) Direct labour, £35,000. —Extension to office block at the Teesdale ironworks of Head Wrighton & Co. Ltd. (A) Direct labour.

WHITEHEAD (Co. Antrim).—72 houses, a shop, and garages at Islandmagee-rd. for UDC. (A) Northern Ireland Housing Trust, 12 Hope-st., Belfast.

WORCESTER.—18 dwellings at St. Catherine's Vale redevelopment area for City C. City E&S is J. S. Williams (GD) Lummis & Game Ltd., Battenhall-ave., Worcester, £24,927.

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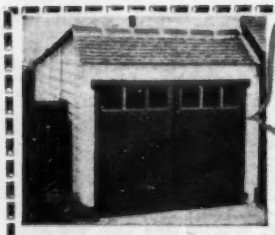

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ATTENTION ADVERTISERS

Classified advertisements in this section can be accepted up to 12 o'clock noon on the TUESDAY prior to issue. It is regretted that advertisements cannot be accepted by telephone.

CONTRACTS

WARWICK
RURAL DISTRICT COUNCIL.

HOUSING AT RADFORD SEMELE.

Applications are invited from Building Contractors desirous of submitting a TENDER for the ERECTION OF THREE TERRACED DWELLINGS and IMPROVEMENTS TO SIX EXISTING DWELLINGS at Hatherall-road, Radford Semele.

Attention is drawn to the basis of tendering which will be on a FIXED PRICE BASIS thereby excluding price fluctuation clauses set out under Item 259 in the R.I.B.A. Form of Contract relative to "Fluctuations."

Bills of Quantities, plans and specification can be obtained from the undersigned upon payment of a deposit of Two Guineas. The deposit will be refunded upon the submission of a bona fide Tender which is not subsequently withdrawn, and the return of all documents and drawings.

Tenders, in a plain sealed envelope endorsed "Tender for Radford Semele Housing," bearing no name or mark indicating the sender, should be delivered to the office of the undersigned not later than NOON on 31st MAY, 1960.

The Council does not bind itself to accept the lowest or any Tender or to incur any cost in connection with the preparation of any Tender.

T. W. H. WATKISS,
Clerk of the Council.

Council Offices,
1 Warwick New-road,
Leamington Spa.
12th May, 1960.

BARNSTAPLE
BOROUGH.

TENDERS are invited for the ERECTION OF DWELLINGS as set out below:—

Contract No. 1—1 PAIR OF BUNGALOWS Tyne C at Gould-road;

Contract No. 2—1 PAIR OF FLATS Type V (a) at St. Mary's-road.

Conditions of Contract, Specification and Plans may be obtained from the Borough Surveyor, The Castle, Barnstaple, on payment of a deposit of £2 2s., which will be refunded on receipt of a bona fide Tender, not subsequently withdrawn, and the return of all documents supplied.

Tenders, in plain sealed envelopes endorsed "Housing Contract," to be sent to the Borough Surveyor, The Castle, Barnstaple, by 9 a.m. on the 2nd JUNE, 1960.

The Council does not bind itself to accept the lowest or any Tender.

F. J. BROAD,
Town Clerk.

The Castle,
Barnstaple.
10th May, 1960.

BANBURY
BOROUGH.

APPROVED LIST OF CONTRACTORS.

Applications are invited from contracting firms for inclusion on the above list, which is now being drawn up by the Borough Council. The list will be divided into three sections, namely, Building Works, Road and Sewer Works, and Demolition Works, and Contractors should state in which section or sections they wish to be included.

Forms of application may be obtained on written application from J. E. Newton, Esq., A.M.I.C.E., A.M.I.Mun.E., Borough Engineer and Surveyor, Municipal Buildings, Marlborough-road, Banbury. The closing date for receipt of applications will be 31st MAY, 1960.

The Council do not bind themselves to accept any Contractor for inclusion in any section of the list, and the Council's decision in this respect will be final.

FREDERICK G. BOYS,
Town Clerk.

Municipal Buildings,
Banbury.

YEOVIL
BOROUGH.

ERECTION OF 43 HOUSES AND 15 GARAGES,
SUNNINGDALE ESTATE.

Applications are invited from experienced builders who wish to submit a TENDER for the above mentioned proposal.

Applications must be submitted to the undersigned not later than 10 a.m. on WEDNESDAY, 25th MAY, 1960, giving the names of Local Authorities for whom similar work has been carried out.

Applicants invited to tender will receive copies of quantities and drawings and be notified of the last date for receipt of tenders.

A. HEAL, M.I.Mun.E.,
Borough Surveyor.

Municipal Offices,
Yeovil.

CARDIFF
CITY COUNCIL.

PUBLIC WORKS DEPARTMENT.

TENDERS are invited for the SUPPLY AND DELIVERY OF APPROXIMATELY 400 SUPER YARDS HARDWOOD FLOOR BLOCKS of selected and nominated timber and APPROXIMATELY 270 SQUARES OF PRIME QUALITY CANADIAN ROCK MAPLE (ACER SACCHARUM) STRIP FLOORING.

Moisture content of each of the above must not be less than 9 per cent. or more than 13 per cent.

Forms of Tender, specification and general conditions may be obtained from the City Surveyor, City Hall, Cardiff.

Tenders will not be considered unless enclosed in a plain sealed envelope which does not bear any name or mark indicating the sender, and must be endorsed "Hardwood Blocks and Strip Flooring," and addressed to the undersigned at the City Hall, Cardiff, and sent by Registered Post so as to be received not later than FRIDAY, the 3rd JUNE, 1960.

The Council does not bind itself to accept the lowest or any Tender.

S. TAPPER JONES,
Town Clerk.

WEST SUSSEX
STANDING JOINT COMMITTEE.

Contractors wishing to submit a Fixed Price TENDER for the following projects on the basis of a priced Schedule are invited to apply for permission to Tender. The selected contractors will be required to indicate, when submitting their Tenders, the percentage addition thereto, which they require for executing the contract.

Applications stating for which scheme(s) contractors wish to Tender, to be addressed to the County Architect, County Hall, Chichester, to reach him not later than FIRST POST on 31st MAY, 1960.

TWO POLICE HOUSES and OFFICE at Lynchmere (Job No. 4415).

ONE POLICE HOUSE, OFFICE AND GARAGE at West Chiltington (Job No. 6485).

ONE POLICE HOUSE, OFFICE AND GARAGE at Church-lane, Chichester (Job No. 6015).

The West Sussex Standing Joint Committee does not bind itself to accept the lowest or any Tender, and the firm whose Tender is accepted must be prepared to enter into a contract in a form to be prepared by me.

T. C. HAYWARD,
Clerk to the Standing Joint Committee,
County Hall,
Chichester.

ASHBY WOULDS
URBAN DISTRICT COUNCIL.

HOT WATER INSTALLATION IN 36 HOUSES AT MOIRA AND ALBERT VILLAGE.

TENDERS are invited for the INSTALLATION OF A HOT WATER SYSTEM IN THE ABOVE HOUSES. The work will consist of the installation of sitting-room type fireplaces and the provision of Rayburn Cookers, baths and lavatory basins together with the ancillary piping and tanks to supply hot water to the existing sinks, etc. Contractors wishing to Tender should write to the Council's Architects, Messrs. Pick Everard, Keay and Gimson of 6 Millstone-lane, Leicester, for specification enclosing a cheque for £2 2s. 0d. returnable on receipt of a bona fide Tender.

Tenders must be received by the undersigned not later than 12 NOON on FRIDAY 3rd JUNE, 1960, in a plain sealed envelope marked "Tender—Hot Water Installations."

The Council do not bind themselves to accept the lowest or any Tender.

W. JONES,
Clerk of the Council.

Council Offices,
Ashby-road,
Moira,
Burton-on-Trent.
10th May, 1960.

SALFORD CITY.

PROPOSED PUBLIC TOILETS AT ORDSALL PARK, TRAFFORD-ROAD, SALFORD, 5.

Firm price TENDERS are invited for the proposed PUBLIC TOILETS at Ordsall Park, Salford, 5.

Conditions of Contract and Drawings may be inspected at, and Bill of Quantities and Form of Firm Price Tender obtained from, the City Engineer and Surveyor's Department, Town Hall, Salford, 3, on payment of a deposit of £2 2s. 0d. which will be returned on submission of a bona fide Firm Price Tender not subsequently withdrawn.

Firm Price Tenders on the prescribed form, sealed in the envelope provided and bearing no other mark or identification, must be forwarded to the undersigned so as to be received not later than 12 NOON on MONDAY, 13th JUNE, 1960.

The Council does not bind itself to accept the lowest or any Firm Price Tender.

R. RIBBLESDALE THORNTON,
Town Clerk.

DEPTFORD
BOROUGH COUNCIL.

TENDERS are invited for ALTERATIONS TO FIREPLACES to Council houses and flats in the Brockley area to conform to the Clean Air Act, 1956.

Conditions of Contract and Specification can be obtained from the Borough Engineer, Deptford Town Hall, New Cross, S.E.14.

Tenders when completed must be returned to the undersigned in the envelope provided not later than 4 p.m. on 13th JUNE, 1960.

The Council does not bind itself to accept the lowest or any tender.

ERNEST FIELD,
Town Clerk.

Town Hall,
New Cross,
S.E.14.

RUGBY
BOROUGH.

ERECTION OF 16 TWO-STOREY FLATS.

The Corporation invite TENDERS for the ERECTION OF 16 TWO-STOREY FLATS (for aged persons) on the Featherbed-lane portion of the Abbots Farm Estate. The flats are to be built in two blocks of eight one-bedroom-type flats.

Tender form and Bill of Quantities may be obtained from the Borough Surveyor's Department, Burford House, Rugby, on payment of a deposit of £2 2s. 0d. which will be refunded on receipt of a bona fide Tender not subsequently withdrawn.

Tenders in the envelope provided must be delivered to the undersigned at "The Lawn," Newbold-road, Rugby, by FIRST POST on 13th JUNE, 1960. The Corporation do not undertake to accept the lowest or any Tender.

T. L. DUFFY,
Town Clerk.

CARDIFF CITY.
CITY ARCHITECT'S DEPARTMENT.

PROPOSED SUB-DIVISIONAL POLICE STATION, ELY.

Fixed Price TENDERS are invited for the CONSTRUCTION OF A NEW SUB-DIVISIONAL POLICE STATION at Cowbridge-road West, Ely, Cardiff.

The works comprise a three-storey block and a single-storey block of living accommodation, basement and external works.

Conditions of Contract, Drawings and Specifications may be inspected at the City Architect's Department, 12 Park-place, Cardiff.

Specifications, Bills of Quantities and Form of Tender may be obtained from the City Architect to whom application should be made, accompanied by a deposit of £2 2s. 0d. Cheques should be made payable to the Cardiff Corporation and crossed "Not negotiable and Co." The deposit will be refunded on receipt of a bona fide Tender or the return of the contract documents.

Tenders will not be considered unless enclosed in the envelope provided and endorsed "Tender for Sub-Divisional Police Station—Ely" addressed to the Town Clerk at the City Hall, Cardiff, and sent by Registered Post, so as to be received not later than the 15th JUNE, 1960.

The envelope must not bear the name of or any mark indicating the identity of the Tenderer.

Completed Bills of Quantities must not be submitted with the Tender but must be sent, completed in ink, so as to be in the hands of the City Architect within three days after written request following the opening of Tenders.

The Council does not bind itself to accept the lowest or any Tender.

S. TAPPER-JONES,
Town Clerk.

City Hall,
Cardiff.

WOKINGHAM
BOROUGH.

ERECTION OF DWELLINGS.

TENDERS are invited for the ERECTION OF 57 DWELLINGS AND 9 GARAGES in traditional construction on Norreys Barn Housing Estate, Wokingham.

Plans, specifications, etc., may be obtained from the Borough Surveyor, Town Hall, Wokingham, on payment of deposit of £2 2s., returnable on submission of bona fide tender.

Tenders must be sent to me, in the envelope provided, not later than 3rd JUNE, 1960.

L. GODDARD SMALLEY,
Town Clerk.

Town Hall,
Wokingham,
Berks.
6th May, 1960.

WALSALL
COUNTY BOROUGH.

ST. MATTHEW'S-CLOSE, CHURCH HALL.

The Council invite Contractors wishing to TENDER for the above project to submit their names to the undersigned in a plain sealed envelope endorsed "Tenderers — St. Matthew's-close — Church Hall," to arrive not later than 31st MAY, 1960.

It is hoped to commence work in the Autumn of 1960 and detailed information relating to the scheme is available on application to either the undersigned or to the Borough Engineer and Surveyor, Council House, Walsall.

JELLICOE, BALLANTYNE & COLERIDGE,
Architects.

12 Gower-street,
London, W.C.1.

WOKINGHAM
BOROUGH.

ROAD WORKS.

TENDERS are invited for the CONSTRUCTION OF ROADS, FOOTPATHS, SURFACE WATER SEWERS and all appurtenant works connected with a scheme for the erection of 57 houses on Norreys Barn Housing Estate, Wokingham.

Full details, plans and specifications may be obtained from the Borough Surveyor on payment of a deposit of £2 2s. returnable on submission of a bona fide tender.

Tenders must be sent to me not later than 3rd JUNE, 1960.

L. GODDARD SMALLEY,
Town Clerk.

Town Hall,
Wokingham,
Berks.
6th May, 1960.

SALFORD CITY.

PROPOSED HOUSE AT CHARLESTOWN RECREATION GROUND, WHIT-LANE, SALFORD, 6.

Firm Price TENDERS are invited for the proposed HOUSE at Charlestown Recreation Ground, Whit-lane, Salford, 6.

Conditions of Contract and Drawings may be inspected at, and Bill of Quantities and Form of Firm Price Tender obtained from, The City Engineer and Surveyor's Department, Town Hall Salford, 3, on payment of a deposit of £2 2s. 0d. which will be returned on submission of a bona fide Firm Price Tender not subsequently withdrawn.

Firm Price Tenders on the prescribed form, sealed in the envelope provided and bearing no other mark or identification, must be forwarded to the undersigned so as to be received not later than 12 NOON on MONDAY, 4th JULY, 1960.

The Council does not bind itself to accept the lowest or any Firm Price Tender.

R. RIBBLESDALE THORNTON,
Town Clerk.

ANDOVER
BOROUGH.

PAVILION AND CHANGING ROOMS LONDON ROAD SPORTS GROUND.

Fixed Price TENDERS are invited for the ERECTION OF A PAVILION CHANGING ROOMS AND SITE WORKS.

Copies of drawings, combined specification and bill of quantities and form of Tender can be obtained from the Borough Surveyor at whose office the general conditions of contract can be inspected. A deposit of £2 2s. 0d. will be required which will be returned upon receipt of a bona fide Tender including prices and bills of quantities.

Tenders in the envelope supplied must reach the undersigned not later than NOON on THURSDAY, 9th JUNE, 1960.

The Council do not bind themselves to accept the lowest or any Tender.

J. F. GARNER,
Municipal Offices,
"Beech Hurst,"
Weyhill-road,
Andover,
Hampshire.

WISBECH
BOROUGH.

COUNCIL OFFICES, CHURCH-TERRACE, HEATING SCHEME

TENDERS are invited for a HEATING SCHEME for the Council Offices, Church-terrace, Wisbech.

Further particulars, plans and specification may be obtained from the Borough Engineer.

The Tender to be returned in an envelope marked "Tender, Heating Scheme, Church-terrace," to the undersigned not later than NOON 30th JUNE, 1960.

The Contract will be subject to the Standing Orders of the Council in respect of Contracts, and the Council does not bind itself to accept the lowest or any Tender.

N. E. DEWICK,
Town Clerk.

Town Hall,
Wisbech, Cambs.
May, 1960.

MARCH
URBAN DISTRICT COUNCIL.

ERECTION OF 48 DWELLINGS AT UPWELL-ROAD, MARCH.

Fixed Price TENDERS are invited for the ERECTION AND COMPLETION OF 20 THREE-BEDROOM HOUSES, 22 TWO-BEDROOM BUNGALOWS AND SIX ONE-BEDROOM BUNGALOWS at Upwell-road, March.

Contractors may submit Tenders as follows:—

(a) For the whole of the 48 dwellings (Groups A and B).

(b) For 20 three-bedroom houses (Group A), or

(c) For 22 two-bedroom bungalows and six one-bedroom bungalows (Group B).

Specifications, Drawings and Forms of Tender may be obtained from Mr. W. S. Pickett, M.I.Mun.E., Architect and Surveyor, Town Hall, March, upon payment of a deposit of £2 2s. 0d. which will be refunded on receipt of a bona fide Tender not subsequently withdrawn, and return of all documents issued.

Tenders in plain sealed envelopes endorsed "Erection of Dwellings, Upwell-road" must be delivered to the undersigned by not later than FRIDAY, 3rd JUNE, 1960.

The Council do not bind themselves to accept the lowest or any Tender.

E. A. LITTLER,
Clerk of the Council.

Town Hall
March,
Cambridgeshire.
10th May, 1960.

CARMARTHENSHIRE AND CARDIGANSHIRE
JOINT POLICE AND FIRE AUTHORITIES.

TO BUILDERS AND CONTRACTORS.

TENDERS are invited for the ERECTION OF NINE PAIRS OF SEMI-DETACHED POLICE HOUSES AND ONE PAIR FIREMEN'S HOUSES INCLUDING CONSTRUCTION OF ESTATE ROAD at Penybont, near Penparcau, Aberystwyth.

Bills of Quantities may be obtained from the County Architect upon deposit of £3 3s. 0d. which is returnable on receipt of a bona fide Tender not subsequently withdrawn.

Tenders are to be returned to W. S. Thomas, Esq., Clerk of the Joint Police and Fire Authorities, County Hall, Carmarthen, by 12 NOON on 29th JUNE, 1960.

The lowest or any Tender will not necessarily be accepted and no expenses incurred by those Tendering will be defrayed.

G. R. BRUCE,
County Architect.

County Hall,
Aberayron,
Cardiganshire.
9th May, 1960.

WANDSWORTH
METROPOLITAN BOROUGH.

HOUSES AND FLATS.

Contractors wishing to TENDER for the ERECTION OF 18 HOUSES AND 41 FLATS in 2-storey blocks at St. Ann's Hill, should submit names to me by 1st JUNE, 1960, giving details of experience, plant and technical and supervisory staff available together with names of two technical and two financial referees. Bills of quantities will be issued to selected contractors in due course.

Drawings may be examined at office of Sir Lancelot Keay, K.B.E., M.Arch. (Lvpl.), PP.R.I.B.A., 22 Oldbury-place, London, W.1.

J. NOEL MARTIN,
Town Clerk.

Municipal Buildings,
Wandsworth,
S.W.18.

CROSBY
BOROUGH.

PUBLIC SWIMMING BATH, HEATING AND VENTILATION.

The Borough Council invites TENDERS for the PROVISION AND INSTALLATION OF A SCHEME OF HEATING AND VENTILATION at the Public Swimming Bath building now in course of erection.

The successful tenderer will be engaged as a nominated Sub-Contractor within the main contract. Application for specification and form of tender should be made to the Borough Engineer and Surveyor at the address below and the Council reserve the right to restrict the supply of documents to those firms of established skill and responsibility with a proved competence and experience of work of the character and size contemplated. All applications should be accompanied by a list of comparable works carried out and the names of persons to whom reference may be made.

Sealed tenders should be delivered in the envelope provided to the undersigned not later than noon on WEDNESDAY, 13th JULY, 1960.

The Council do not undertake to accept the lowest or any tender.

HAROLD O. ROBERTS,
Town Clerk.

Town Hall,
Waterloo,
Liverpool, 22.
10th May, 1960.

HARROW
BOROUGH.

LONGFIELD COUNTY PRIMARY SCHOOL,
DUKES-AVENUE, NORTH HARROW.

TENDERS are invited for the RE-BUILDING OF THE PARAPET WALLS TO EAST AND NORTH WINGS together with the RENEWAL OF ASPHALT ROOF AND SKIRTINGS and incidental works thereto.

Conditions of Contract may be inspected at the office of, and a copy of the Form of Tender and Specification obtained on application to, the Borough Engineer and Surveyor, Council Offices, "Cottesmore," 48 Uxbridge-road, Stanmore, Middlesex, upon payment of Two Pounds by crossed cheque, made payable to the Harrow Corporation and returnable where a bona fide tender reaches me within the prescribed time.

Tenders, on the prescribed form, to be enclosed in a plain sealed envelope bearing no indication or mark of the sender and carrying the label provided, suitably endorsed, to be delivered to my Office not later than 10 a.m. on TUESDAY, 7th JUNE, 1960.

The Council do not bind themselves to accept the lowest, or any, Tender.

D. H. PRITCHARD,
Town Clerk.

Town Clerk's Office,
Harrow Weald Lodge,
92 Uxbridge-road,
Harrow,
Middx.

THE ROYAL NORFOLK

AGRICULTURAL ASSOCIATION invites Building Contractors to TENDER for a PERMANENT PAVILION to serve President, Vice-President and Members to be built on the Show Ground at Cortessey, near Norwich. The building, of modern design, is estimated to cost £20,000, of which about £5,000 is for specialist work. Bills of Quantities will be available by 1st JUNE. Tenders are due in on 11th JULY, building will start about mid-August, 1960, and must be finished by March, 1961. Contractors wishing to tender should write to Clifford Culpin, Chartered Architect, 39 Doughty Street, London, W.C.1, giving a list of recently completed buildings and the names of architects to whom reference can be made in confidence. Sets of drawings are available for inspection at the offices of the architect or of the Royal Norfolk Agricultural Association, Diss.

CANTERBURY CITY.

HOUSING CONTRACT.

Fixed Price TENDERS are invited for the ERECTION OF HOUSES AND OLD PERSONS' BUNGALOWS AND LOCK-UP GARAGES at follows:—

FIFTEEN HOUSES, FOUR OLD PERSONS' BUNGALOWS, EIGHT CORNER FLATS, 12 GARAGES, at Hales-place Estate, Canterbury.

Bills of Quantities can be obtained from the undersigned upon payment of two guineas deposit. Drawings and Conditions of Contract can be inspected at my office.

Tenders to be submitted in the endorsed envelope provided not later than MONDAY, 13th JUNE, 1960.

JOHN L. BERBIERS,
City Architect.

Municipal Buildings,
Canterbury.

BRISTOL CITY
AND COUNTY.

TO BUILDING CONTRACTORS.

Education Committee invite FIXED-PRICE TENDERS for ALTERATIONS AND ADDITIONS (Stage II) at Upper Horfield School, Bristol. Area of new work approximately 5,000 sq. ft. Contractors willing to submit tenders apply to City Architect, Council House, Bristol, 1, by MAY, 25th.

11th May, 1960.

OLDHAM
COUNTY BOROUGH.

HOUSING COMMITTEE.
LIMESIDE ESTATE.
6 TWO-BEDROOM HOUSES.

The Housing Committee are prepared to receive FIXED-PRICE TENDERS for the ERECTION OF 6 PERMANENT TRADITIONAL HOUSES on the Limeside Estate from firms experienced in the execution of such Contracts.

Drawings may be inspected and Bills of Quantities, Forms of Tender and General Conditions may be obtained from Messrs. Cameron & Middleton, F/A.R.I.C.S., Chartered Quantity Surveyors, 21 Queen-street, Oldham, on payment of a deposit of two guineas which will be returned on receipt of a bona fide tender not subsequently withdrawn. Cheques, etc., to be crossed and made payable to the Borough Treasurer, Oldham Corporation. The Bills of Quantities will be available on and after MONDAY, 23rd MAY.

Tenders will only be considered if they are submitted in the envelope provided, sealed and delivered not later than 10 a.m., MONDAY, 13th JUNE, 1960.

The Corporation do not bind themselves to accept the lowest or any tender. The Contract will be subject to the Standing Orders of the Council which include a requirement in this case, for the provision of Sureties.

EDWARD HAINES,
Town Clerk.

OLDBURY
BOROUGH.

STONE-STREET AND LODGE-STREET DEVELOPMENT—PHASE 2.

The Council invite TENDERS on a FIXED PRICE BASIS for the ERECTION of 78 4-STOREY DWELLINGS AND 4 GARAGES, together with LANDSCAPE WALL and CONSTRUCTION OF DRYING AREAS.

Forms of Tender, Conditions of Contract and Bills of Quantities may be obtained from the Architects, Messrs. Wood & Kendrick & Williams, of 57 Colmore-row, Birmingham, upon payment of a deposit of £2 2s. This sum will be refunded on receipt of a bona fide Tender not subsequently withdrawn.

Tenders must be submitted in the envelope provided, the envelope being duly sealed and bearing no name or mark indicating the sender. Tenders must be delivered to the Town Clerk's Office not later than 12 NOON on 4th JUNE, 1960.

The Corporation does not bind itself to accept the lowest or any Tender.

KENNETH PEARCE,
Town Clerk.

Municipal Buildings,
Oldbury.
May, 1960.

TIPTON
BOROUGH.

ERECTION OF 52 DWELLINGS AND EIGHT GARAGES, ASTON-STREET HOUSING SITE, TIPTON.

TENDERS on a FIXED PRICE BASIS are invited for the ERECTION of the following:—

36 TWO-BEDROOM FLATS in 6 three-storey blocks;

12 TWO-BEDROOM FLATS in 3 two-storey blocks;

4 THREE-BEDROOM HOUSES in one block;

8 GARAGES in two blocks of 4;

on the Aston-street Housing Site, Tipton.

Bills of Quantities embodying Specifications and Form of Tender may be obtained and the General Conditions of Contract and deposited plans inspected on application to the Borough Housing Architect, Municipal Buildings, Sedgley-road West, Tipton, on payment of a deposit of £1 3s. which will be refunded on receipt of a bona fide Tender.

Cheques should be made payable to Tipton Corporation.

The fully priced Bills of Quantities must be in the hands of the Architect within 7 days after written request, following opening of Tenders.

Sealed Tenders in the endorsed envelope provided must reach the undersigned not later than FIRST POST on THURSDAY, 7th JULY, 1960.

The Corporation does not bind itself to accept the lowest or any Tender.

KENNETH W. MADIN,
Town Clerk.

Municipal Buildings,
Sedgley-road West,
Tipton.

DEPTFORD
BOROUGH COUNCIL.

TENDERS are invited for SUPPLY, DELIVERY and ERECTION of 220 lin. yds. 4 ft. high and 10 lin. yds. 3 ft. 6 in. high GALVANISED MILD STEEL RAILINGS to the Brockley-road boundary of Brockley Cemetery, S.E.4.

Specification, Conditions of Contract and full particulars may be obtained from the Borough Engineer, Deptford Town Hall, New Cross, S.E.14.

Tenders must be returned to the undersigned in the envelope provided not later than 4 p.m. on MONDAY, 13th JUNE, 1960.

The Council does not bind itself to accept the lowest or any Tender.

ERNEST FIELD,
Town Clerk.

Deptford Town Hall,
New Cross,
S.E.14.
May, 1960.

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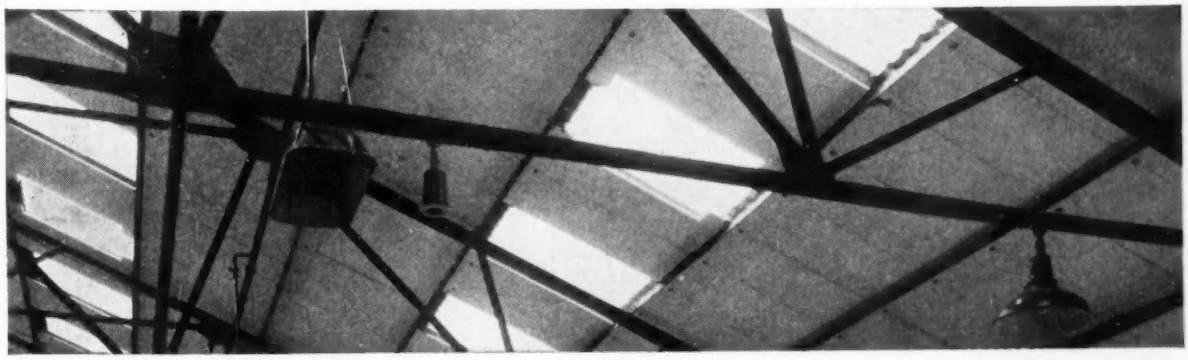

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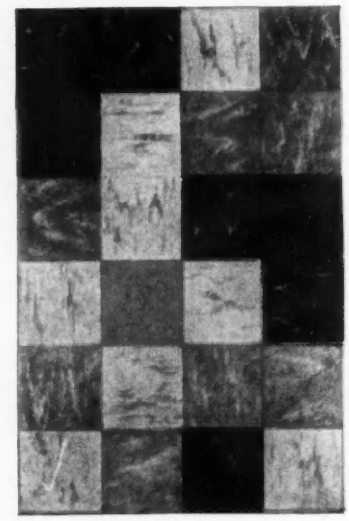

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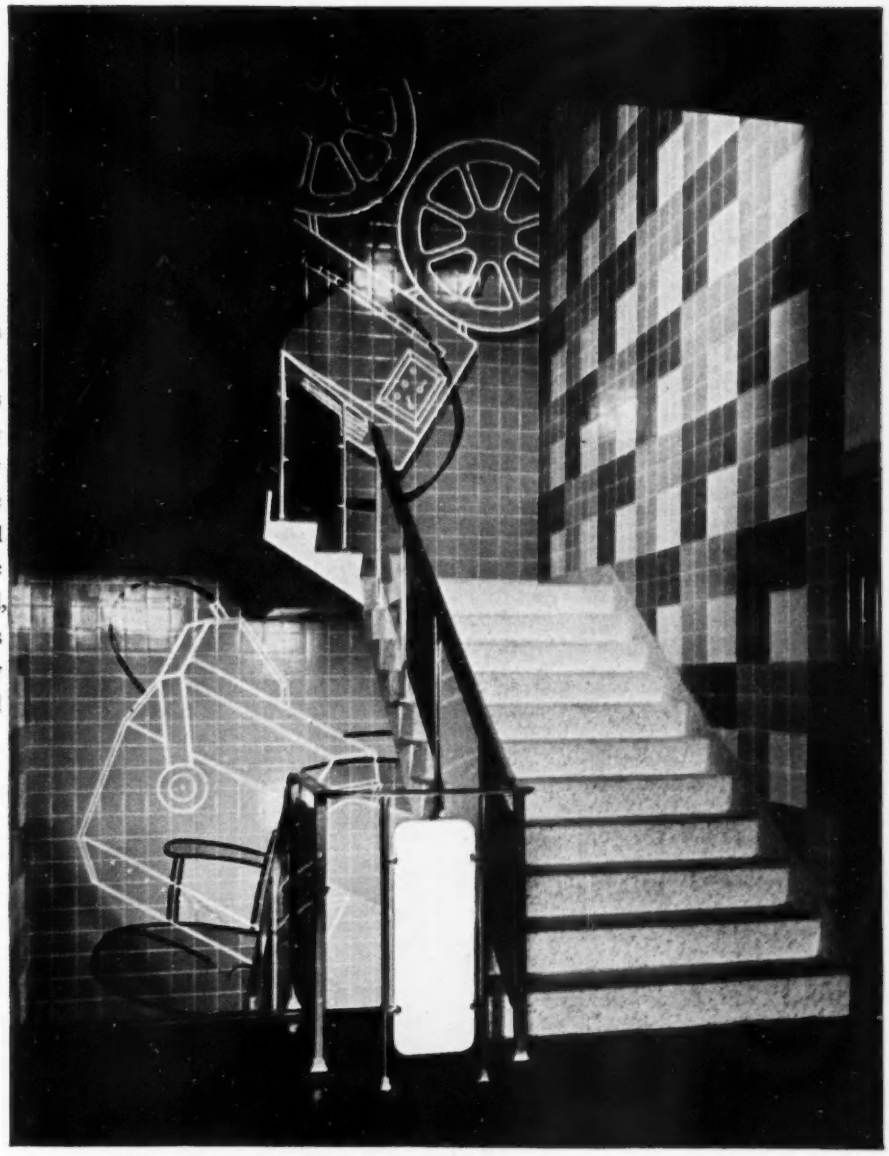

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60/4

BATH CITY.

CORPORATE PROPERTY COMMITTEE.

TENDERS are invited for the proposed CONVERSION OF HOUSE INTO TWO MAISONETTES AND ONE SELF-CONTAINED FLAT at No. 9 Oxford-row, Bath.

Copies of the Specification and drawing may be obtained from the Surveyor of Corporate Property, Guildhall, Bath, on payment of £2 2s. deposit which will be refunded on receipt of a bona fide Tender not subsequently withdrawn.

Tenders to be returned to the undersigned not later than WEDNESDAY, 15th JUNE, 1960, in the special envelope provided.

The Corporation do not undertake to accept the lowest or any Tender.

JARED E. DIXON,
Town Clerk.

Guildhall,
Bath.
20th May, 1960.

CANTERBURY CITY.

ERECTION OF NEW LABORATORY AT SIMON LANGTON GRAMMAR SCHOOL FOR GIRLS, CANTERBURY.

Building Contractors wishing to TENDER are requested to make application to the undersigned not later than FRIDAY, 3rd JUNE, 1960, with a deposit cheque of two guineas. The contract will be on a fixed price basis.

Bills of Quantities will be available early in June, 1960.

JOHN L. BERBIERS,
City Architect.

Municipal Buildings,
Canterbury.

WOLVERHAMPTON
COUNTY BOROUGH.

Building Contractors are invited to TENDER for the ERECTION OF SIX SHOPS AND FLATS, Brooklands-parade, off Willenhall-road, Wolverhampton.

Applications for Form of Tender and Bills of Quantities should be made to the Borough Engineer, Town Hall, Wolverhampton, by 30th MAY, 1960, accompanied by a deposit of Two Guineas, which will be refunded upon receipt of a bona fide tender.

Tender Documents, which will be sent to applicants as soon as possible, will indicate the date by which tenders are to be submitted.

UTTOXETER
URBAN DISTRICT COUNCIL.

ALTERATIONS AND EXTENSIONS TO THE TOWN HALL, UTTOXETER.

TENDERS are invited from suitable Building Contractors for the following ALTERATIONS AND EXTENSIONS to the Town Hall, Uttoxeter:

PROVISION OF A REFRESHMENT BAR at ground floor level, A SNACK BAR at first floor level, both with ancillary accommodation in the form of toilets, etc., together with the PROVISION OF A STAGE AND ALCOVE in the Assembly Hall.

Drawings and Conditions of Contract may be inspected at the office of the Surveyor to the Urban District Council, Old Bank House Annexe, High-street, Uttoxeter, Staffs., or the Architects, Messrs. Forshaw, Greaves & Partners, A/A/A/R.I.B.A., 11 King-street, Newcastle-under-Lyme, Staffs., during normal office hours and by appointment only.

Copies of the Specification, Bills of Quantities and Form of Tender may be obtained from the Architects on payment of the sum of £2 2s., which will be returned on receipt of a bona fide tender.

Sealed Tenders in the endorsed envelopes provided, should be forwarded so as to reach the undersigned not later than 12 noon on FRIDAY, the 17th JUNE, 1960.

The Council do not bind themselves to accept the lowest or any tender.

JOHN H. KENNY,
Clerk of the Council.

Old Bank House,
72 High-street,
Uttoxeter,
Staffs.
12th May, 1960.

STOCKTON-ON-TEES
BOROUGH.

ERECTION OF 6 SHOPS WITH 10 MAISONETTES OVER AT HARDWICK.

TENDERS are invited for the ERECTION OF 6 SHOPS WITH 10 MAISONETTES OVER at Hardwick.

Form of Tender and Bills of Quantities may be obtained from the Borough Architect, 28 The Square, Stockton-on-Tees, on deposit of £1 1s. which will be refunded on receipt of a bona fide Tender or the return of the documents.

The Corporation does not bind itself to accept the lowest or any Tender.

Tenders to be delivered to the undersigned in the envelope provided not later than 12 NOON on MONDAY, the 20th JUNE, 1960.

JOHN B. HAWORTH,
Town Clerk.

Barclays Bank Chambers,
49 High-street,
Stockton-on-Tees.

LINCOLN CITY
AND COUNTY.

OLD PEOPLE'S HOME, BOULTHAM PARK.

FIXED-PRICE TENDERS are invited for the ERECTION of the above HOME to accommodate forty aged persons.

The construction is to be load bearing cavity walls with pitched roofs and tiles.

Plans and Conditions of Contract may be examined at, and Bills of Quantities, explanatory drawing and Form of Tender obtained (after 23rd May, 1960) from the City Architect, R. R. Alexander, F.R.I.B.A., M.T.P.I., Stamp End, Lincoln, on payment of a deposit of two guineas (cheques made payable to the Lincoln Corporation) which will be refunded on receipt of a bona fide tender including relevant documents.

Tenders on the prescribed form, in the plain envelope supplied, bearing no name or mark indicating the sender must be delivered, sealed, to the undersigned not later than 10 a.m. on the 17th JUNE, 1960, endorsed "Tender for Old People's Home, Boultham Park."

The Council do not bind themselves to accept the lowest or any tender.

J. HARPER SMITH,
Town Clerk.

Town Clerk's Office,
Lincoln.

SHREWSBURY
BOROUGH.

COTON HILL ESTATE, PART III. ELEVEN BUNGALOWS.

TENDERS are invited for a FIXED-PRICE CONTRACT for the ERECTION OF 11 BUNGALOWS at Coton Hill Estate, Shrewsbury. Specification, drawings, bills of quantities and forms of tender may be obtained from and conditions of contract may be seen during office hours at the office of the Borough Surveyor, Guildhall, Shrewsbury, on and after 21st MAY, on payment of £2 2s., which will be returned on receipt of a bona fide tender and the remaining documents. Tenders on the prescribed form, sealed in the envelope provided and bearing no mark of identification, are to be received by the undersigned not later than

10 a.m. on WEDNESDAY, 15th JUNE, 1960.

The Council do not bind themselves to accept the lowest or any other tender.

S. R. H. LOXTON,
Town Clerk.

Guildhall,
Shrewsbury.
May, 1960.

EPSOM AND EWELL.
BOROUGH.

24 FLATS, WEST-STREET, EWELL.

The Corporation invite TENDERS for the CONSTRUCTION OF TWENTY-FOUR TWO-STOREY FLATS at West-street, Ewell.

Copies of the Drawings, Specification, Bills of Quantities and Forms of Tender can be obtained from the office of Mr. Colin Cobbett, A.M.I.C.E., M.I.Mun.E., Borough Engineer and Surveyor, Town Hall, Epsom, during office hours upon payment of a deposit of £3 3s. Deposits will be returned to contractors submitting a bona fide Tender not subsequently withdrawn.

Tenders must be delivered to me at the address mentioned below not later than noon on 15th JUNE, 1960, and no tender will be received and considered unless it is enclosed in the envelope provided, endorsed "Tender for Flats—West-street, Ewell." This envelope must not bear any name or mark indicating the sender.

The Corporation do not bind themselves to accept the lowest or any Tender.

EDWARD MOORE,
Town Clerk.

Town Hall,
The Parade,
Epsom.
May, 1960.

SOUTHEND-ON-SEA
COUNTY BOROUGH.

TO BUILDING CONTRACTORS. PROPOSED CONVERSIONS AT "HYLANDS," EASTWOOD-LANE, WESTCLIFF-ON-SEA.

TENDERS are invited for the performance of works in connection with the proposed CONVERSIONS and works incidental thereto at "Hylands," Eastwood-lane, Westcliff-on-Sea.

R.I.B.A. Conditions of Contract may be inspected, and copies of Form of Tender, Specification and Drawings obtained on and after WEDNESDAY, 25th MAY, 1960, on application to the Borough Architect, 30 Alexandra-street, Southend-on-Sea.

Sealed tenders addressed to the undersigned and endorsed "Conversions at 'Hylands,' Westcliff-on-Sea," are to be delivered to this Office before 3 p.m. ON TUESDAY, 14th JUNE, 1960, and no tender received thereafter will be considered.

No tender will be received except in the special envelope provided, which shall not bear any name or mark indicating the sender.

The Corporation do not bind themselves to accept the lowest or any tender.

ARCHIBALD GLEN,
Town Clerk.

HAMPSHIRE
AND ISLE OF WIGHT POLICE AUTHORITY.

PROPOSED POLICE STATION, WINCHESTER.

TENDERS will shortly be invited from suitable firms for the ERECTION OF A NEW POLICE STATION in North Walls, Winchester.

The buildings, in traditional construction, are part two-storey and part single-storey, and have an area of approximately 11,000 sq. ft.

Applications for tender documents, with a deposit of two guineas payable by cheque to the Treasurer of the Police Fund, should be sent to the County Architect, The Castle, Winchester, by 27th MAY. The deposit will be refunded on receipt of a bona fide Tender or the return of the documents.

Tender documents will be available shortly after 27th MAY and approximately four weeks will be allowed for tendering.

The Authority does not bind itself to accept the lowest or any Tender.

G. A. WHEATLEY,
Clerk of the Police Authority.

The Castle,
Winchester.

CORNWALL
COUNTY COUNCIL.

TO BUILDERS.

Applications are invited for Fixed Price TENDERS for the ERECTION OF A FOUR-CLASS COUNTY PRIMARY SCHOOL FOR 160 PUPILS at Perranporth.

Applications for Bills of Quantities and Form of Tender should be made to the County Architect, County Hall, Truro, to be received not later than TUESDAY, 31st MAY, 1960. A deposit of £3 3s. 0d. must be forwarded with the application which will be refunded on receipt of a bona fide Tender.

Tenders in a plain sealed envelope clearly endorsed "Tender for Perranporth County Primary School" but not bearing any name or mark indicating the sender, must be delivered to the Clerk of the County Council, Room 23, County Hall, Truro, on or before NOON on SATURDAY, 2nd JULY, 1960.

The County Council do not bind themselves to accept the lowest or any Tender.

E. T. VERGER,
Clerk of the County Council.

County Hall,
Truro.
13th May, 1960.

BECKENHAM
BOROUGH

EXTERNAL PAINTING AND REPAIRS TO SCHOOLS.

The Borough Council invites TENDERS for carrying out EXTERNAL PAINTING AND REPAIRS to the following schools:

1. Cator Park Secondary Girls' School, Lennard-road, Beckenham.
2. Alexandra Secondary Boys' School, Parish-lane, Penge, S.E.20.
3. Alexandra Secondary Boys' School Annexe, Beckenham-road, Beckenham.

Copies of the Conditions of Contract, Specification, Forms of Tender and envelopes may be obtained on application to Mr. James Dove, A.M.I.C.E., Borough Engineer and Surveyor, Town Hall, Beckenham, Kent, on payment of a deposit of £2 which will be refunded on receipt of a bona fide tender that is not subsequently withdrawn.

Sealed tenders in the plain official envelope provided endorsed "Tender for External Painting and Repairs to Schools," must reach the undersigned not later than 5 p.m. on TUESDAY, 31st MAY, 1960. Tenders received after the prescribed date and time will not be considered and the deposit will not be refunded unless a bona fide tender is received by the due date and time.

The Council does not bind itself to accept the lowest or any tender and reserves the right to accept separate tenders for each school.

R. WEBSTER STORR,
Town Clerk.

Town Hall,
Beckenham.
12th May, 1960.

ILFORD
BOROUGH.

33 FLATS—INGLEHURST-GARDENS, ILFORD.

The Corporation invite FIRM PRICE TENDERS for the ERECTION OF 2 ADJOINING THREE-STOREY BLOCKS OF FLATS comprising a total of 21 BED-SITTING ROOM and 12 ONE-BEDROOM FLATS.

Conditions of contract and drawings may be inspected and Bills of Quantities and Forms of Tender obtained, on or about 1st JUNE, from the Borough Engineer, Town Hall, Ilford, upon written application and payment of a deposit of £3 3s., which will be returned on receipt of a bona fide Tender, not subsequently withdrawn.

Tenders, in plain sealed envelopes endorsed "Tender—33 Flats—Inglehurst-gardens, Ilford," but not bearing any name or mark indicating the sender, must be delivered to the Town Clerk, Town Hall, Ilford, not later than 4 p.m. on TUESDAY, 28th JUNE, 1960.

WANDSWORTH
METROPOLITAN BOROUGH.

FLATS AND MAISONETTES.

Contractors wishing to TENDER for ERECTION OF 23 FLATS AND MAISONETTES IN TWO 4-STOREY BLOCKS at Spencer Park, should submit names to me by 1st JUNE, 1960, giving details of experience, plant and technical and supervisory staff available together with names of two technical and two financial referees. Bills of quantities will be issued to selected contractors in due course.

Drawings may be examined at Borough Engineer and Architect's Department at this address.

J. NOEL MARTIN,
Town Clerk.

Municipal Buildings,
Wandsworth,
S.W.18.

STOCKTON-ON-TEES
BOROUGH.

ERECTION OF 16 SINGLE PERSON DWELLINGS AT HARDWICK.

TENDERS are invited for the ERECTION OF 16 SINGLE PERSON DWELLINGS at Hardwick.

Form of Tender and Bills of Quantities may be obtained from the Borough Architect, 28 The Square, Stockton-on-Tees, on deposit of £1 1s. which will be refunded on receipt of a bona fide Tender or the return of the documents.

The Corporation does not bind itself to accept the lowest or any Tender.

Tenders to be delivered to the undersigned in the envelope provided not later than 12 NOON on MONDAY, the 13th JUNE, 1960.

JOHN B. HAWORTH,
Town Clerk.

Barclays Bank Chambers,
49 High-street,
Stockton-on-Tees.

BIRMINGHAM
CITY.

TO BUILDING CONTRACTORS.
CONTRACT 695.
10 SHOPS AND 12 DWELLINGS OVER, WYRLEY BIRCH ESTATE, PERRY COMMON.

The House Building Committee invite FIRM PRICE TENDERS for the ERECTION of the above.

Bills of Quantities and Forms of Tender will be forwarded on payment of £2 2s. at the office of A. G. Sheppard Fidler, City Architect, Civic Centre, Birmingham, 1, to whom all cheques should be made payable. Applications should be made by 24th MAY, 1960. Conditions of Contract (which include the usual Fair Wages and Conditions of Labour Clause) may be seen at the City Architect's Office during normal working hours.

The deposit will be returned on receipt of a bona fide tender, or on notification of inability to tender, together with the return of the documents not later than three days before the date for receipt of tenders.

Tenders, enclosed in the envelope provided for the purpose, must be sealed and delivered to the Town Clerk's Office (Room No. B.31), Council House, Birmingham, 1, NOT LATER THAN 12 NOON ON FRIDAY, THE 24th JUNE, 1960. Tenders received after that time will be rejected.

The Committee do not bind themselves to accept the lowest or any tender.

T. H. PARKINSON,
Town Clerk.

The Council House,
Birmingham, 1.

HUNTINGDONSHIRE.

STANDING JOINT COMMITTEE.
POLICE HOUSING.

FIXED PRICE TENDERS are invited for the following Police Housing:—

Brampton. ERECTION OF ONE PAIR OF POLICE HOUSES.

Kimbolton. ERECTION OF POLICE HOUSE, OFFICE AND GARAGE.

Bills of Quantities, Forms of Tender and Drawings will be available from THURSDAY, 26th MAY, 1960, and may be obtained from S. M. Holloway, A.R.I.B.A., County Architect, County Buildings, Huntingdon.

Sealed Tenders in the endorsed envelope provided, with no other identification marks, must be delivered by 12 NOON on MONDAY, 20th JUNE, 1960.

The Council do not bind themselves to accept the lowest or any Tender.

A. C. AYLWARD,
Clerk of the County Council.

County Buildings,
Huntingdon.

SOUTHAMPTON
COUNTY BOROUGH.

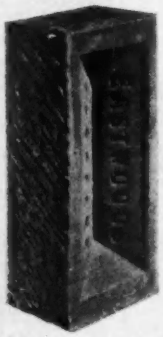
Southampton C.B.C. invites TENDERS for the following contract on bills of quantities available on 30th MAY, 1960:

136 FLATS IN TRADITIONAL CONSTRUCTION IN FOUR FIVE-STOREY BLOCKS TYPES A.5 AND E.5 at Redbridge Triangle.

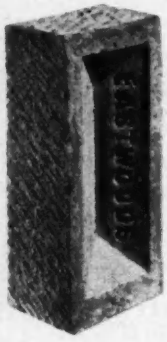
Applications for tender document should be received by the Borough Engineer and Surveyor, Civic Centre, Southampton, by 10 a.m. on MONDAY, 30th MAY, 1960.

EASTWOODS *Announce*

TWO NEW FLETTON FACINGS



Golden Ridge-Faced Flettons



Buff Ridge-Faced Flettons

These new facing bricks still further exemplify the Eastwood tradition of progress, providing the architect with a wider choice of colour and surface finish with which to express his creative ideas in contemporary building.

They've got a good name — EASTWOODS of course

Write for EASTWOODS brochure of *coloured brick leaflets.*

EASTWOODS SALES LIMITED

Head Office: 158/160 City Road, London, E.C.1. *Telephone: CLErkenwell 2040 (30 lines)*

Northern Sales Office: 39 Thorne Road, Doncaster. *Telephone: Doncaster 49256/7.*

Or any of our Depots:
Depots at: **CAMBRIDGE**, 117 East Road, Tel: Cambridge 2087/55514; **COVENTRY**, Sandy Lane, Tel: Coventry 61707/40058; **DONCASTER**, Crompton Road, Tel: Doncaster 61442; **EASTLEIGH**, Allbrook, Eastleigh, Hants. Tel: Eastleigh 2621/2; **GILLINGHAM**, (Kent) Trafalgar Street, Tel: Gillingham 51088/9; **GREENWICH**, Norman Road, S.E.10, Tel: GREenwich 1172/3; **HILLINGDON**, Uxbridge Road, Tel: Uxbridge 6421/2; **IPSWICH**, Cumberland Street, Tel: Ipswich 53794/5; **ISLEWORTH**, 11 The Square, Tel: Isleworth 2271/2; **KINGSLAND**, 4 Orsman Road, N.1, Tel: SHOreditch 4133/4; **KING'S LYNN**, South Everard Street, Tel: King's Lynn 3718; **LEEDS 7**, 320 Meanwood Road, Tel: Leeds 40484; **LETCHWORTH**, Birds Hill, Tel: Letchworth 1700; **MORTLAKE**, High Street, S.W.14, Tel: PROspect 7231/2/3; **NORWICH**, Rosary Road, Tel: Norwich 21498; **SOUTHEND-ON-SEA**, Fairfax Drive, Southend, Essex, Tel: Southend 48171/2; **SUDBURY** (Suffolk), North Street, Tel: Sudbury 2895/6; **WEMBLEY**, St. John's Road, Tel: WEMbley 5404/5; **WEYBRIDGE**, Bridge Wharf, Tel: Weybridge 3963.

IPSWICH
COUNTY BOROUGH.

NORTHGATE GRAMMAR SCHOOL FOR GIRLS.

TENDERS are invited for the ERECTION OF A NEW GYMNASIUM BLOCK and for ALTERATIONS TO THE EXISTING SCHOOL. Plans will be available for inspection at the offices of the Architects, Messrs. Johns, Slater & Haward, F/A.R.I.B.A., 32 Foundation-street, Ipswich, during the tendering period. Applications for Bills of Quantities should reach the Architects not later than FIRST POST on the 27th MAY, 1960, and should be accompanied by a £2 2s. deposit returnable upon receipt of a bona fide Tender.

Tenders, in plain sealed envelopes bearing the words "Northgate Grammar School for Girls—Extensions," but with no name or mark to indicate the sender, must be received by the undersigned by the FIRST POST on 27th JUNE, 1960. The Council does not bind itself to accept the lowest or any Tender.

J. C. NELSON,
Town Clerk.

Town Hall,
Ipswich.

ESSEX
COUNTY COUNCIL.

BURNHAM-ON-CROUCH BRANCH LIBRARY.

Contractors wishing to submit a FIRM-PRICE TENDER for the ERECTION OF the above should forward their names, from which a panel will be chosen and provided with Bills of Quantities.

The building will be steel framed with brick walls and timber roof and windows, estimated cost £6,000.

Applications to reach the undersigned not later than 28th MAY, 1960.

H. CONOLLY, C.B.E., F.R.I.B.A.,
County Architect.

County Hall,
Chelmsford.

ILFORD
BOROUGH.

33 FLATS—GREEN LANE, ILFORD.

The Corporation invite FIRM PRICE TENDERS for the ERECTION OF 3 ADJOINING THREE-STOREY BLOCKS OF FLATS comprising a total of 21 BED-SITTING ROOM and 12 ONE-BEDROOM FLATS.

Conditions of contract and drawings may be inspected and Bills of Quantities and Forms of Tender obtained, on or about 1st JUNE, from the Borough Engineer, Town Hall, Ilford, upon written application and payment of a deposit of £3 3s., which will be returned on receipt of a bona fide Tender, not subsequently withdrawn.

Tenders, in plain sealed envelopes endorsed "Tender—33 Flats, Green-lane, Ilford," but not bearing any name or mark indicating the sender, must be delivered to the Town Clerk, Town Hall, Ilford, not later than 4 p.m. on TUESDAY, 28th JUNE, 1960.

EAST SUFFOLK
STANDING JOINT COMMITTEE.

POLICE HOUSES AT EYE.

The Committee propose to invite firm price TENDERS from selected builders, for the ERECTION at Eye of ONE PAIR OF POLICE HOUSES WITH OUTBUILDINGS.

Building Contractors wishing to be considered should submit their names to Mr. E. J. Cundliffe, A.R.I.B.A., County Architect, County Hall, Ipswich, before the 30th May, 1960. From the names submitted, a number of builders will be selected and these will be furnished with Specifications and Drawings on or about the 31st May, 1960, for Tenders by the 14th JUNE, 1960; builders not selected will be notified at the same time.

SOMERSET
COUNTY COUNCIL.

FIRE BRIGADE COMMITTEE.

Applications are invited from Building Contractors wishing to submit a fixed price TENDER for the erection of a DIVISIONAL FIRE BRIGADE HEAD-QUARTERS at Yeovil.

Applications should be submitted to the undersigned not later than MONDAY, 30th MAY, 1960, and should contain an assurance that the applicant has the necessary financial and material resources and organisation to undertake the work.

The Committee reserves the right to select from the applicants a list of firms who will be invited to submit Tenders, and does not bind itself to accept the lowest or any Tender.

A deposit of £2 2s. 0d. will be required from those firms selected which will be returned upon receipt of a bona fide Tender or the return of the Bill of Quantities.

No Tender will be considered unless submitted in the endorsed envelope which will be provided.

R. O. HARRIS, F.R.I.B.A.,
County Architect.

The Crescent,
Taunton.

WORSLEY
URBAN DISTRICT COUNCIL.

PEEL ESTATE LITTLE HULTON. CONTRACTS FOR 223 AND 68 DWELLINGS.

Interested suppliers are invited to submit their names in connection with the SUPPLY OF THE FOLLOWING PRIME COST ITEMS required for the above contracts:—

(a) Electrical installation.
(b) Supply of Grates and Mantels.
(c) Supply of Sanitary Fittings.

A selected list will be compiled from the applications received, whereupon documents will be supplied on payment of a deposit of £2 2s. 0d. which will be refunded after receipt of a bona fide Tender.

Applications, stating the items for which suppliers wish to be considered, must be received by the undersigned on or before the 30th MAY, 1960.

ROBERT E. HUBAND,
Clerk and Solicitor.

Town Hall,
Walkden,
Manchester.

ST. MARYLEBONE
BOROUGH COUNCIL.

PANEL OF CONTRACTORS FOR NEW HOUSING.

Applications are invited from builders for inclusion on a list of approved contractors from whom TENDERS will be invited for the ERECTION OF BLOCKS OF FLATS on the basis of Bills of Quantities. Forms of application may be obtained from the Housing Director, St. Marylebone Borough Council, Town Hall, W.1, and should be returned to him as soon as possible, and not later than 15th JUNE, 1960.

S. J. RUTTY,
Town Clerk.

Town Hall,
St. Marylebone, W.1.

WESTBURY
URBAN DISTRICT COUNCIL.

Applications are invited from Building Contractors who wish to be invited to TENDER for the ERECTION OF EIGHT HOUSES at Eden-vale and 14 OLD PERSONS' BUNGALOWS (including approaches) at Jubilee-close, Westbury, Wilts.

Contractors should apply to the undersigned not later than WEDNESDAY, 1st JUNE, 1960 enclosing a deposit of £2 2s. 0d. which will be returned after the receipt of a bona fide Tender. Cheques should be made payable to Westbury Urban District Council.

Bills of Quantities, Forms of Tender, and instructions to persons Tendering will, in the case of the eight houses, be issued shortly after 1st June, when plans and form of contract will be available for inspection at this office.

In the case of the 14 old persons' bungalows the documents will be issued about one month later.

The Council do not bind themselves to accept the lowest or any Tender.

F. W. FEATHERSTONE,
Clerk of the Council.

Laverton Institute,
Westbury,
Wilts.

FRIMLEY AND CAMBERLEY
URBAN DISTRICT COUNCIL.

ERECTION OF GARAGES.

TENDERS are invited for the ERECTION OF 34 GARAGES.

Tender documents may be obtained from the Engineer and Surveyor, Municipal Buildings, Camberley.

Tenders in plain sealed envelopes, endorsed "Garages," must be delivered to the undersigned not later than 12 NOON on FRIDAY the 10th JUNE, 1960.

The Council does not bind itself to accept the lowest or any Tender.

K. S. HARVEY,
Clerk of the Council.

Municipal Buildings,
London-road,
Camberley,
Surrey.
16th May, 1960.

WANDSWORTH
METROPOLITAN BOROUGH.

HOUSING AT CLAPHAM.

Contractors wishing to TENDER for ERECTION OF 22 HOUSES AND FLATS IN 2- AND 3-STOREY BLOCKS at Cautley-avenue, should submit names to me by 8th JUNE, 1960, giving details of experience, plant and technical and supervisory staff available together with names of two technical and two financial referees. Bills of quantities will be issued to selected contractors in due course.

Drawings may be examined at office of Mr. E. R. Saxon Snell, L.R.I.B.A., 6 New-square, Lincoln's Inn, W.C.2.

J. NOEL MARTIN,
Town Clerk.

Municipal Buildings,
Wandsworth,
S.W.18.

PUBLIC APPOINTMENTS

EASTERN ELECTRICITY
BOARD.

NORTHMET SUB AREA.

Applications are invited for the following appointments. The successful candidates will be required to contribute to a superannuation scheme, and may be required to undergo a medical examination.

SUB-AREA HEADQUARTERS, LONDON, N.14.
CIVIL ENGINEERING AND BUILDING SECTION.

TWO GENERAL ASSISTANT ENGINEERS
(Ref.: 957).
96/60.R.

Candidates should have had a good general and technical education, possess a sound knowledge of practical building and civil engineering construction, and be capable of setting out and supervising site works.

SALARY: N.J.B. Grade 16 (£815-£860) plus London Allowance.

TWO ENGINEERING DRAUGHTSMEN
(Ref.: 958).
95/60.R.

Candidates should have had a good technical training and experience in the preparation of plans and detailed drawings of building and civil engineering works, including Substations, Service Centres, Workshops and Offices. Possession of the O.N.C. (Building) or an equivalent qualification will be an advantage.

SALARY: N.J.B. Schedule D. Grade 6 (£620-£740) plus London Allowance.

For these appointments, apply by letter to The Manager, Eastern Electricity Board, Northmet Sub-Area, Normet House, Southgate, London, N.14, by the 27th MAY, 1960.

BOLTON
COUNTY BOROUGH.

BOROUGH ARCHITECT'S DEPARTMENT.

Applications invited for an ASSISTANT HEATING ENGINEER within Grade A.P.T. II (£765-£880). Knowledge of Heating, Ventilating, D.H.W., Gas and Cold Water services. Able to design installations under supervision. Post superannuable, subject to medical examination.

Applications, giving full details, including experience, present post and salary, and naming two referees, should be received by me not later than 26th MAY.

PHILIP S. RENNISON,
Town Clerk.

BIRMINGHAM
REGIONAL HOSPITAL BOARD.

SURVEYING ASSISTANT (BUILDING). £625-£900. To assist in survey of existing hospital buildings and preparation of record plans. Inter.-R.I.C.S. (Buildings Division) essential. Must be neat draughtsman with experience in measurement and plotting of surveys to all scales. Superannuable. Five-day week. Written applications (quoting Arch 4) naming two referees to Secretary, RHB, 10 Augustus-road, Birmingham, 15, by 7th JUNE, 1960.

MEDWAY
WATER BOARD.

ARCHITECTURAL ASSISTANT.

Applications are invited for the appointment of an ARCHITECTURAL ASSISTANT. The Board have an extensive programme of new works and modernisation upon which the successful applicant would be engaged.

Part or fully qualified men or women may apply. Salary will depend upon age and experience in accordance with the National Scale with a maximum of £1,070 p.a. for a qualified assistant.

The appointment would be superannuable and subject to medical examination.

Applications stating age, qualifications, details of training and experience to Engineer and Manager, Medway Water Board, Railway-street, Chatham, Kent, by 8th JUNE, 1960.

SHEFFIELD NO. 1
HOSPITAL MANAGEMENT COMMITTEE.

Applications are invited for the post of WORKS ASSISTANT in the Superintendent Engineer's Department. The appointment calls for a knowledge of building construction and involves taking simple measurements, making simple drawings and tracings, assisting in the preparation of specifications of estimates of cost, etc.

Salary scale according to age, £415 at 21 years rising to £625 per annum.

Apply, stating age, experience and qualifications, together with the names of two persons for reference, to the Group Secretary, Nether Edge Hospital, Sheffield, 11.

LONDON
COUNTY COUNCIL

invites ARCHITECTS in private practice to apply for their names to be included in a NEW PANEL from which architects will be selected to undertake the design and erection of housing schemes.

Architects whose names have been included on previous panels and who wish to have them included on the new panel should make fresh application.

Application forms may be obtained from the Clerk of the Council (H/B/1276/5), The County Hall, London, S.E.1, and should be returned not later than 13th JUNE, 1960.

ST. ALBANS CITY.

BUILDING INSPECTOR.

Applications are invited for the appointment of BUILDING INSPECTOR in the City Engineer and Surveyor's Department. Established post on Grade A.P.T. III (£880-£1,063) with essential car user allowance in accordance with N.J.C. scale.

The applicants should have had experience in a similar capacity with a Local Authority, have a good knowledge of building construction and practice, be capable of examining and reporting on deposited plans and hold an appropriate qualification of a recognised professional body.

Housing accommodation available if required.

Applications, stating age, qualifications and experience, together with the names of two persons to whom reference can be made, must reach me not later than 1st JUNE, 1960.

B. V. ENTWISTLE,
Town Clerk.

Town Clerk's Office,
38 St. Peter's-street,
St. Albans.

GLOUCESTERSHIRE
COUNTY COUNCIL.

APPOINTMENT OF HEATING AND VENTILATING ENGINEERING ASSISTANT.

Applications are invited for the above appointment in A.P.T. Grade III (£880-£1,065) progressing to A.P.T. Grade IV (£1,065-£1,220), subject to satisfactory report on reaching appropriate incremental point in Grade.

Applicants must be Associate Members I.H.V.E. and a knowledge of electrical work will be an advantage. N.J.C. Service Conditions, superannuation, medical examination.

Applications stating age, present position, salary and date of appointment, details of experience and previous appointments, together with the names and addresses of two persons for reference to reach County Architect, Shire Hall, Gloucester, by 4th JUNE, 1960.

GUY H. DAVIS,
Clerk of the County Council.

MIDDLESEX
COUNTY COUNCIL.

TOWN PLANNING ASSISTANTS. A.P.T. II (£765-£880 plus London Weighting up to £40) for either Survey and Plan or Development Control. For candidates who hold an appropriate degree planning experience is not essential. Application forms from County Planning Officer, 10 Great George-street, S.W.1, returnable by 30th MAY. Prescribed conditions. (Quote C.570B.)

BASILDON
URBAN DISTRICT COUNCIL.

(Population 80,000—27,000 acres—contains New Town of Basildon.)

BUILDING INSPECTOR (ESTABLISHED).

Within Grade A.P.T. I-II (£610-£880 p.a.).

Applicants should be experienced in building construction and administration of Building By-laws. The starting salary will be related to experience and ability.

Housing accommodation will be considered and an essential user car allowance is payable. A five-day week is in operation.

Full particulars and application form from and the latter returnable to Mr. S. A. Wadworth, A.M.I.C.E., A.M.I.Mun.E., Engineer and Surveyor, Council Offices, 88 Town Square, Basildon, Essex. Closing 6th JUNE.

BOOTLE
COUNTY BOROUGH.

BOROUGH SURVEYOR'S DEPARTMENT.

Applications are invited for the appointment of a TOWN PLANNING ASSISTANT on Grade A.P.T. I, £610 rising to £765 per annum.

Application forms from the Borough Surveyor, Town Hall, Bootle, 20, Lancs, are returnable by FRIDAY, 27th MAY, 1960.

HAROLD PARTINGTON,
Town Clerk.

BOROUGH of WATFORD

WATFORD is a pleasant, thriving town in South West Hertfordshire, in the Green Belt and with easy access to the open country. Although within easy reach of London it has a distinct civic consciousness and cultural, educational, shopping and transport facilities are excellent.

The Corporation has a large number of projects in hand and envisaged, including Swimming Bath, Library extensions, multi-storey buildings, Flatted factories and housing and expansion of the Borough Engineer, Surveyor and Architect's Department is contemplated to handle these schemes.

Applications are invited from suitably qualified candidates for:—

(a) ASSISTANT ARCHITECT

Salary within Grade APT IV (£1,065—£1,220 per annum).

(b) ARCHITECTURAL ASSISTANTS

Salary within Grades APT II/III (£765—£1,065).

(c) ARCHITECTURAL ASSISTANT

Salary within Grades APT I/II (£610—£880).

The Assistant appointed to post (a) will be a Section Leader and will carry a considerable amount of responsibility.

Commencing salaries will be commensurate with experience and ability and Housing Accommodation will be provided for those requiring it.

Applications to be sent to the undersigned not later than 31st May, 1960.

F. C. SAGE, A.M.I.C.E., M.I.Mun.E., Reg. Architect, Borough Engineer, Surveyor and Architect.

Town Hall, Watford Herts.

GLASGOW
CORPORATION.

ARCHITECTURAL AND PLANNING DEPARTMENT.
ASSISTANT ARCHITECTS.

ASSISTANT QUANTITY SURVEYORS. Vacancies exist for a number of qualified ASSISTANTS as above. Salary scale £795-£1,240 with placing according to experience.

Applications should be addressed to the City Architect and Planning Officer, 20 Trongate, Glasgow, C.1. Those who have submitted applications during the past 12 months should not reply to this advertisement.

A. G. JURY.
City Architect and Planning Officer.

SOUTHWARK
METROPOLITAN BOROUGH.

Applications are invited for the following appointments on the establishment of the Borough Engineer and Surveyor's Department:—

ARCHITECTURAL ASSISTANTS. A.P.T. I (£640 to £795 p.a.) *or* A.P.T. II (£795 to £910 p.a.). Vacancies in design groups dealing with mixed housing and other development. Applicants should possess Intermediate R.I.B.A. for A.P.T. II.

If under 26 years of age, the salaries will be £10 per annum less.

Please indicate clearly the grade applied for.

Council's Conditions of Service and Superannuation Scheme apply. Medical examination. No housing. Canvassing will disqualify. Further particulars from the undersigned. Closing date FIRST POST on 8th JUNE, 1960.

E. J. PITT.
Town Clerk.

Southwark Town Hall
(Near Elephant & Castle Underground Station).
Walworth-road, S.E.17.

SOUTH SHIELDS
COUNTY BOROUGH.

QUANTITY SURVEYING ASSISTANTS.

Applications are invited for QUANTITY SURVEYING ASSISTANTS in the Borough Engineer's Department. Salary will be in accordance with Grades A.P.T./I/SS (£610-£1,070). Placing within these grades will be in accordance with experience.

Housing accommodation may be made available to successful applicants if necessary.

The successful applicants will be required to pass a medical examination for superannuation purposes.

Application forms can be obtained from the Borough Engineer's Department, Town Hall, South Shields, and should be returned by 10 a.m. on THURSDAY, 9th JUNE, 1960.

R. S. YOUNG.
Town Clerk.

TAUNTON
BOROUGH.

ASSISTANT ARCHITECT.

Applications invited for appointment of two ASSISTANT ARCHITECTS in the Borough Architect's Department, Special Grade, salary £785-£1,070 per annum.

Superannuable post, subject to medical examination, and to National Conditions of Service. Applications stating age, present position and salary, qualifications, experience and names of two referees to be sent to C. Bacon, F.R.I.B.A., Borough Architect, Flook House, Station-road, Taunton, by MONDAY, 30th MAY, 1960.

Consideration will be given to housing accommodation if required.

K. A. HORNE.
Town Clerk.

HAYES & HARLINGTON
U.D.C.

BONUS SURVEYOR Required by Engineer and Surveyor's Dept. for Direct Labour Building Maintenance Service. Salary within Grade A.P.T. II, i.e. £765-£880 p.a. plus London "Weighting." 26 years and over £40 p.a. Candidates must have had previous experience in a similar capacity and be competent to measure and set up targets for all types of building work in all trades, negotiate with operatives' representatives, be capable of working with the minimum of supervision and perform technical duties required in the inception and execution of the Council's incentive bonus scheme. Housing accommodation if required. Essential user car allowance payable.

Further particulars, conditions of service and form of application obtainable from the undersigned, which when completed must be returned by 6th JUNE, 1960.

GEORGE HOOPER.
Clerk and Solicitor.

Town Hall,
Hayes,
Middlesex.

HAYES & HARLINGTON
U.D.C.

ESTIMATOR required by Engineer and Surveyor's Department. Salary within Grade A.P.T. II, i.e. £765-£880 p.a. plus appropriate London "Weighting." Candidates must be capable of estimating for all classes of building works and have had considerable experience of work of this nature. Five-day week. The Council is unable to assist with the provision of housing accommodation. Further particulars and conditions of service and form of application available from the undersigned, which when completed must be returned by 30th MAY, 1960.

GEORGE HOOPER.
Clerk and Solicitor.

Town Hall,
Hayes,
Middx.

ELSTREE
RURAL DISTRICT COUNCIL.

APPOINTMENT OF TEMPORARY ARCHITECTURAL ASSISTANT.

Applications are invited for the above temporary appointment in the Department of the Engineer and Surveyor, for a period of not less than two years, on work in connection with the design and erection of a proposed Public Hall, Covered Swimming Pool and other Civic Centre buildings.

Salary within Special Grade, £785 to £1,070 per annum (plus London Weighting—maximum £45); commencing salary to be determined according to experience.

Candidates should have passed the Final Examination of the R.I.B.A. or equivalent.

The appointment will be subject to the National Scheme of Conditions of Service: the provisions of the Local Government Superannuation Acts, 1937-1953, and will be determinable by one month's notice, in writing, on either side. The successful candidate will be required to pass a medical examination.

Relationship to any Member or Officer of the Council must be disclosed and canvassing directly or indirectly will disqualify.

Applications stating age, qualifications and experience, together with the names and addresses of two referees, should be sent in an envelope endorsed "Architectural Assistant," so as to reach the Engineer and Surveyor at these Offices not later than FRIDAY, 3rd JUNE, 1960.

A. LANCASHIRE.
Clerk of the Council.

Council Offices,
Shenley-road,
Boreham Wood,
Herts.
10th May, 1960.

OLDHAM
COUNTY BOROUGH.

BOROUGH ENGINEER AND SURVEYOR'S DEPARTMENT.
APPOINTMENT OF BUILDING INSPECTOR.

Applications are invited for the appointment of a BUILDING INSPECTOR in my Department at a salary in accordance with A.P.T. Grade II (£765 per annum rising to £880 per annum). Applicants should hold the Building Inspector's Certificate of the Institution of Municipal Engineers or an equivalent qualification, and the successful candidate will be placed on an increment within the Grade according to his qualifications and experience.

Candidates must be experienced in the examination of plans in connection with Building Byelaws, the Public Health Acts and in the supervision of building operations.

The appointment is superannuable, subject to the passing satisfactorily of a medical examination, and is terminable by one month's notice on either side.

Applications, stating age, qualifications, experience and accompanied by copies of two recent testimonials, or the names of two persons to whom reference may be made, should reach me not later than WEDNESDAY, the 25th MAY, 1960, in envelopes endorsed "Building Inspector."

A. L. HOBSON,
Borough Engineer and Surveyor.
75 Union-street,
Oldham.

WARWICKSHIRE
COUNTY COUNCIL.

ARCHITECT'S DEPARTMENT.

(A) DEPUTY GROUP ARCHITECT, Grade A.P.T. IV-V (£1,065-£1,375).

Applications are invited from qualified and experienced architects for this post, which is one of the groups handling projects for the Council's major building programme.

The post is one of responsibility requiring a high degree of initiative and design ability in up-to-date forms of construction, materials, costs, job planning and organisation.

The successful applicant will also be expected to deputise generally for the group architect.

(B) ARCHITECTS, Special Grade (£785-£1,070).

Applications are invited from architects who have passed Part I and II of the R.I.B.A. final or special examination or their equivalent at one of the recognised schools of architecture. The successful applicants will work in groups on large projects, and an opportunity will be given to men with enthusiasm and ability to design and carry out projects under a group architect.

(C) ARCHITECTURAL ASSISTANTS, Grade A.P.T. II (£765-£880).

Vacancies exist for assistants who are up to intermediate R.I.B.A. standard and who require experience in a variety of interesting projects.

The commencing salary can be within the grade according to ability and experience. The Council have schemes for the payment of removal expenses and a lodging allowance to married officers. Application forms and full conditions applicable to the appointments can be obtained from Eric Davies, F.R.I.B.A., A.M.P.T.I., County Architect, Shire Hall, Warwick.

L. EDGAR STEPHENS.
Clerk of the Council.

Shire Hall,
Warwick.
May, 1960.

NATIONAL COAL BOARD.
(DURHAM DIVISION.)

ARCHITECT'S BRANCH.

Applications are invited for vacancies for ARCHITECTURAL AND QUANTITY SURVEYING STAFF in the Architect's Branch at Divisional Headquarters. Initiative and enthusiasm are required for participation in a large and varied programme of works.

(a) ARCHITECT, Grade II, Ref. SG/354/8(19). Scale £815 x £30—£1,125 per annum.

Applicants must be A.R.I.B.A. with good office experience. The successful candidate will assist with projects from sketch plan initiation to completion. He must be a good designer and have the ability to control junior staff.

(b) ARCHITECTURAL ASSISTANTS, Grade I and II, Ref. SG/354/9 (19). Scales: Grade I, £715 x £25—£850; Grade II, £595 x £25—£710.

Applicants must have attained, or be preparing for, the Intermediate examination R.I.B.A. and be good and quick draughtsmen for the preparation of working drawings under supervision.

(c) QUANTITY SURVEYING ASSISTANTS, Grades I and II, Ref. SG/354/10 (19). Scales: Grade I, £715 x £25—£850; Grade II, £595 x £25—£710.

Applicants must have attained, or be preparing for the Intermediate examination (Quantities Sub-Division), R.I.C.S., and have had some years' experience in working-up and site measurements for certificates and variations.

Apply, WITHIN SEVEN DAYS, quoting appropriate reference and giving details of age education, qualifications and experience to D.C.S.O., N.C.B., 7 Side, Newcastle upon Tyne, 1.

CANTERBURY CITY

ASSISTANT ARCHITECT. A vacancy exists in the City Architect's Department. Commencing salary within the grade £765-£1,070, according to qualifications and experience.

Applicants should have had varied experience and be capable of good detailing and presentation.

Housing accommodation will be made available, if required.

Applications, with the names of two referees, must reach the City Architect and Planning Officer, John L. Berbiers, F.R.I.B.A., A.M.T.P.I., not later than 3rd JUNE, 1960.

Canvassing will disqualify.

J. BOYLE.
Town Clerk.

Municipal Buildings,
Canterbury.

ENFIELD
BOROUGH.

BOROUGH ENGINEER AND SURVEYOR'S DEPARTMENT.

Applications are invited for the post of ARCHITECTURAL ASSISTANT, Grade A.P.T. I (£610-£765 per annum, plus a London Weighting Allowance of £10-£30 per annum according to age).

Applicants must have had experience in the preparation of plans, specifications, etc., including the maintenance of public buildings.

Saturday mornings are normally free of duty.

Application forms obtainable from H. D. Peake, M.Sc.(Eng.), M.I.C.E., Borough Engineer and Surveyor, 7 Little Park Gardens, Enfield, Middlesex, returnable to the undersigned.

CYRIL E. C. R. PLATTEN,
Town Clerk.

Public Offices,
Enfield,
Middlesex

WILLESDEN
BOROUGH.

Applications are invited for the following permanent appointments:

(a) ASSISTANT ARCHITECT, within Grade A.P.T. IV (£1,065-£1,220 p.a.).

(b) ASSISTANT ARCHITECT, within Special Grade (£785-£1,070 p.a.).

(c) ARCHITECTURAL ASSISTANT, within Grade A.P.T. II (£765-£880 p.a.).

(d) ARCHITECTURAL ASSISTANT, within Grade A.P.T. I (£610-£765 p.a.).

London Weighting, maximum £30 p.a. is payable in addition to the above salaries.

Candidates for posts (a) and (b) must be Associates of the R.I.B.A. and should have a high ability in design, capable of supervising contracts and experience of multi-storey flats.

For one post experience of redevelopment schemes will be an advantage.

Candidates for posts (c) and (d) should have passed the Intermediate Examination of the R.I.B.A.

A programme of interesting and varied works is expected to continue for many years and opportunities are offered to imaginative designers with a contemporary and practical outlook.

The appointments will be superannuable and subject to the National Conditions of Service.

The Council is unable to assist with housing accommodation.

Forms of application and conditions of appointment may be obtained from the Borough Engineer and Surveyor, Town Hall, Dyne-road, Kilburn, N.W.6. Applications to be returned to the undersigned not later than 9 a.m. on MONDAY, 30th MAY, 1960.

(signed) R. S. FORSTER,
Town Clerk.

To be more accurate, in the case of this large block of flats, more than one jointing problem was solved by using Expandite 'Seelastik'—an all-purpose flexible sealing compound. It was used for sealing expansion joints as well as for pointing joints around windows and doors.

In all these applications, 'Seelastik' was chosen for both its durability and flexibility: it allows for the expansion and contraction of brickwork, concrete and metal without breaking down, thus preventing the ingress of rain, damp and draughts. 'Seelastik' is the ideal compound where, due to climatic variations, shrinkage, subsidence or mechanical vibration, movement is likely to occur.

For every specialised requirement in sealing and joint-filling Expandite can provide a product that will solve the specific problem. The Expandite Technical Service Department is ready not only to recommend to Architects, Builders and Civil Engineers on how best to use the many Expandite products that are available, but also to offer advice — without any obligation — on any problem concerning 'joints-that-move'.

ANOTHER JOINTING PROBLEM SOLVED

EXPANDITE LIMITED

Specialists in the manufacture and use of Joint-Fillers, Sealing and Waterproofing Compounds, Concrete Additives, Anti-Corrosion Treatments and Mechanical Appliances.
CHASE ROAD, LONDON, N.W.10. TELEPHONE: ELGAR 4321 (14 lines)
Northern Depot: Trafford Park Road, Manchester 17.
Eire: Expandite (Ireland) Limited, Greenhills Road, Walkinstown, Dublin.
ASSOCIATES AND DISTRIBUTORS THROUGHOUT THE WORLD

CUMBERNAULD NEW TOWN

The population target of the New Town has been increased to 70,000 and the building programme is to be expanded. The following staff are required urgently in the department of the Chief Architect and Planning Officer (L. Hugh Wilson), for work on a variety of interesting projects including industrial buildings and housing of all type:-

(*a*) **Group Architect**—Grade APT VII (£1,257-£1,485)

(*b*) **Assistant Architects**—Grade B, APT V/VI (£1,220-£1,390)

(*c*) **Assistant Architect**—Grade C, APT III (£880-£1,065) A.R.I.B.A. required for the above posts.

(*d*) **Architectural Assistants**—Grade D, APT I/II (£610-£880) Inter R.I.B.A. required.

(*e*) **Assistant Planning Officer**—Grade B, APT V/VI (£1,220-£1,390) A.R.I.B.A. and A.M.T.P.I. required.

(*f*) **Assistant Planning Officers**—Grade C, APT III (£880-£1,065) A.R.I.B.A. and A.M.T.P.I. required.

(*g*) **Statistical Planning Officer**—APT V (£1,220-£1,375). A.M.T.P.I. or appropriate University Degree required, plus experience in research work related to collation of statistical material and investigation of problems with population, housing, industry, employment, etc.

(*h*) **Exhibition Designer**—APT IV (£1,065-£1,220) This post is concerned with the design of exhibitions of various kinds in connection with the new town, and a high standard of draughtsmanship, including ability to prepare perspectives, is required. The applicant should also be able to assist with architectural or similar work in the office.

(*i*) **Assistant Landscape Architect**—APT II (£765-£880) Inter I.L.A. required.

Commencing salary within the above grades will be fixed according to qualifications and experience.

Assistance with housing in appropriate cases. 5-day week. Local Government Superannuation subject to medical examination.

Application forms, which may be obtained from the General Manager, **Cumbernauld Development Corporation, Cumbernauld House, Cumbernauld, Glasgow**, should be returned completed not later than Monday, 6th June, 1960.

WILLESDEN
BOROUGH.

BOROUGH ENGINEER AND SURVEYOR'S DEPARTMENT.

Applications are invited for the following appointments in the Building Surveyor's Section:

(a) GENERAL ASSISTANTS. (2 posts), within Grade A.P.T. II (£765-£880 p.a.).

(b) GENERAL ASSISTANT, within Grade A.P.T. I (£610-£765 p.a.).

London Weighting, maximum £30 is payable in addition to both above salaries.

Applicants should have passed the Intermediate Examination of the Royal Institution of Chartered Surveyors or equivalent and have had experience in the general work of a Building Surveyor's Office and the administration of Building By-laws and the Town Planning Acts.

For one of the (a) posts experience of dealing with the control of advertisements will be an advantage.

The Council are unable to assist with housing accommodation.

Details and form of application obtainable from the Borough Engineer, Town Hall, Dyne-road, Kilburn, N.W.6, and must be returned by 10 a.m., MONDAY, 30th MAY, 1960.

SALFORD CITY

DIRECT WORKS DEPARTMENT.

Applications are invited for the appointment of BUILDING SURVEYOR'S ASSISTANT in the above Department at a salary within the range of Grade A.P.T. I-II (£610-£880). The post is superannuable and subject to a medical examination.

Candidates should have had some experience in the following:—

(a) The preparation of schedules of materials from plans and specification for ordering purposes.

(b) Measuring and calculation for Bonus Incentive Scheme.

(c) Surveying of maintenance works and adaptations to all types of Corporation buildings.

(d) Checking work in progress.

(e) Finalisation of accounts for major jobs.

Facilities for professional training are given to holders of Junior posts.

Housing accommodation may be considered in approved circumstances.

In addition, it would be considered an advantage if applicants have had previous experience in a Builder's office.

Applications, giving details of present and previous appointments, qualifications and experience, together with the names of two referees, should be sent to the General Manager, Direct Works Department, Unwin-street, Cross-lane, Salford 6, so as to be received not later than 10 a.m. on MONDAY, 23rd MAY, 1960.

R. RIBBLESDALE THORNTON,
Town Clerk.

HITCHIN
URBAN DISTRICT COUNCIL.

CLERK OF WORKS Required in the Surveyor's Department. Salary £735 per annum. Housing accommodation provided if required. Car allowance will also be paid.

Applicants must be capable of supervising housing schemes, roadworks, laying of sewers and be conversant with the building byelaws.

Applications, stating age, qualifications and experience, with the names and addresses of two referees, to Clerk of the Council, Council Offices, Brand-street, Hitchin, by 1st JUNE, 1960.

LANCASHIRE
COUNTY COUNCIL.

COUNTY ARCHITECT'S DEPARTMENT.

Applications are invited for the appointment of DEPUTY COUNTY ARCHITECT within the salary scale £2,852 to £3,352.

The establishment of the Department, now dealing with a varied and extensive building programme, is a large one, and the post of Deputy County Architect requires, in addition to a high standard of architectural design, first-class administrative ability.

Application forms and details of the appointment are obtainable from C. P. Simmons, A.R.I.B.A., County Architect, County Hall, Preston, and must be returned not later than 1st JUNE, 1960.

CHESTER CITY.

DEPARTMENT OF CITY ENGINEER.

Applications are invited for the post of SENIOR ARCHITECTURAL ASSISTANT, salary within the A.P.T. Special Grade scale. Candidates should have passed the R.I.B.A. final examination and should have had good training and practical experience of a general nature. Housing accommodation will be available to the successful applicant if required. Applications, giving the names of two persons to whom reference can be made, should reach the City Engineer, 49 Northgate-street, Chester, by 30th MAY, 1960.

LONDON
COUNTY COUNCIL.

HAMMERSMITH COLLEGE OF ART AND BUILDING.

Required as soon as possible, LECTURER AND STUDIO INSTRUCTOR IN ARCHITECTURE. Should be member of R.I.B.A. and preferably hold degree or diploma of a Recognised School of Architecture.

Salary: £1,370 x £35-£1,550 plus London Allowance of £38 to £51.

Further particulars and application form from Secretary at the College, Lime Grove, W.12, to be returned within 14 days. (1182.)

ENFIELD
BOROUGH.

BOROUGH ENGINEER AND SURVEYOR'S DEPARTMENT.
APPOINTMENT OF ARCHITECTURAL ASSISTANT.

Applications are invited from the above appointment at a salary in accordance with Grade A.P.T. II of the National Scheme of Conditions of Service (£765-£880 per annum) with the additional appropriate London Weighting.

The commencing salary will be fixed at a point within the Scale commensurate with qualifications and experience.

Application forms obtainable from Mr. H. D. Peake, M.Sc.(Eng.), M.I.C.E., Borough Engineer and Surveyor, 7 Little Park Gardens, Enfield, Middx., should be returned to the undersigned by the 31st MAY, 1960.

CYRIL E. C. R. PLATTEN,
Town Clerk.

Public Offices,
Enfield,
Middx.

SOLIHULL
BOROUGH.

APPOINTMENT OF ARCHITECTURAL ASSISTANTS.

Applications are invited from Architects with suitable qualifications and experience for the undermentioned appointments:—

(a) SENIOR ASSISTANT ARCHITECT, A.P.T. Grade V (£1,220-£1,375 per annum).

(b) ASSISTANT ARCHITECT, A.P.T. Grade II (£765-£880 per annum).

The Borough, which has a population of approximately 90,000 and which is still expanding rapidly, is an excepted district for education and has been recommended for County Borough status by the Local Government Commission for England. There is a considerable programme of varied capital works to be undertaken in the very near future.

The appointments will be subject to satisfactory medical reports, the Local Government Superannuation Acts, the National Scheme of Conditions of Service and to one month's notice in writing on either side.

In appropriate cases the Council will assist in the provision of housing accommodation and half removal expenses will be paid.

Applications, giving full particulars as to age, qualifications and past and present experience, together with the names and addresses of 2 referees, should be submitted to the Borough Surveyor, 90 Station-road, Solihull, not later than 31st MAY, 1960.

W. MAURICE MELL,
Town Clerk.

The Council House,
Solihull,
Warks.

KINGSTON-UPON-HULL
EDUCATION COMMITTEE.

BRICKLAYING INSTRUCTOR required in a new Building Department to be formed at the Castle Howard Approved School, near Malton. This is an intermediate school for boys aged 13 to 17 years. Duties include class instruction in building and practical work within the establishment, and candidates must have previous trade experience. Burnham Scale together with an addition of £120 carried beyond the maximum of the scale for suitably qualified candidates, e.g. City and Guilds Final Full Technological Certificate or appropriate National Certificates or Diplomas recognised by the Ministry of Education. For less qualified applicants, £550 x £20 with efficiency bar at £630 and then by increments to £775, starting point determined by qualifications and experience. In addition to these salaries, payment up to £216 per annum may be made for extraneous duties. Residential accommodation for single man, deduction £135 per annum. Semi-detached house available in the very near future for married man, rent £84 per annum. Further information and application forms from the Children's Officer, Municipal Offices, George-street, Kingston-upon-Hull.

ST. HELENS
COUNTY BOROUGH.

Applications are invited for the appointment of ESTATES ASSISTANT, A.P.T. Grade IV (£1,065-£1,220) in the Borough Engineer's Department.

Commencing salary will be fixed according to qualifications and experience.

Applicants should have passed the Final Examination in an appropriate section of the R.I.C.S. or other equivalent examination and have had good experience in the management and maintenance of estates, estate properties and experience also in land transactions and valuation.

The Council operates a five-day working week.

The appointment will be terminable by one month's notice and will be subject to the Local Government Superannuation Acts, medical examination and N.J.C. Service Conditions.

Applications, giving names of two referees, must be forwarded to the undersigned not later than MONDAY, 30th MAY, 1960.

Applicants must reveal relationship to any member or senior officer of the Council. Canvassing will disqualify.

M. WARD,
M.I.Mun.E., M.T.P.I.,
Borough Engineer.

Town Hall,
St. Helens.

BRAINTREE AND BOCKING
URBAN DISTRICT COUNCIL.

Applications are invited for the appointment of a JUNIOR QUANTITY SURVEYOR, A.P.T. Grade I, commencing salary £610 p.a. from persons with experience in measuring up and preparing Bills of Quantities.

The appointment will be subject to the National Scheme of Conditions of Service, the provisions of the Local Government Superannuation Acts, and to passing a medical examination and will be terminable by one month's notice on either side.

Applications, suitably endorsed, stating age, experience and qualifications together with the names of two referees to be delivered to the undersigned not later than NOON on MONDAY, 30th MAY, 1960.

Canvassing directly or indirectly will be deemed a disqualification and candidates should state in their application whether they are related to any Member or Senior Officer of the Council.

Housing accommodation will be made available if required.

H. COOK,
Engineer and Surveyor.

Town Hall,
Braintree.
9th May, 1960.

AIR MINISTRY

Require JUNIOR AND SENIOR WORKERS-UP in Quantities Division in London. Must be fully experienced and competent to work entire Bills of Quantities. Candidates must hold O.N.C. or C. & G. (Quantities) or equivalent technical qualification. Financial assistance and time off given for recognised courses of study. Promotion and pension prospects. 5-day week with 18 days' paid leave a year initially. Salary ranges (Junior) from £720 (at age 26) to £900, and (Senior) £794 (at age 26) to £1,065. Applicants who must be natural born British subjects, should write stating age, qualifications and experience to the Manager (P.E. 1234), Ministry of Labour, Professional and Executive Register, Atlantic House, Farringdon-street, London, E.C.4. No original testimonials should be sent.

STRUCTURAL
ENGINEERS.

ENGINEERS Required in Architect's Department, L.C.C., up to £1,135 (under review).

(a) STRUCTURAL ENGINEERING DIVISION.—Extensive programme includes multi-storey flats, schools, offices, warehouses and other buildings.

(b) STRUCTURAL ENGINEERING DIVISION.—To deal with applications in respect of special structures under Part IV of London Building Act (A) Act, 1939, and constructional by-laws. Interesting work in involving consideration of unconventional forms of construction.

(c) DISTRICT SURVEYOR'S SERVICE.—Work mainly outside involving negotiations with Architects, Engineers and Surveyors and supervision of works in progress.

Good prospects in all these aspects of the Council's work. Application form and particulars from Hubert Bennett, F.R.I.B.A., Architect to Council (EK/B/495/5B), County Hall, S.E.1.

BUILDING SURVEYORS

Architect's Department, L.C.C., has vacancies in Building Regulation Division and District Surveyor's Service for work in connection with applications under London Building Acts and by-laws. District Surveyor's offices are located in Metropolitan Boroughs and work involves negotiations with developers and supervision of works in progress.

Up to £1,135 (under review) commencing according to qualifications and experience. Application form and particulars from Hubert Bennett, F.R.I.B.A., Architect to Council (EK/B/494/5B), County Hall, S.E.1.

WEST SUFFOLK
COUNTY COUNCIL

Applications are invited for the post of SENIOR ASSISTANT ARCHITECT within Grade A (£1,175-£1,390).

N.J.C. Service Conditions; post pensionable; medical examination.

Application forms obtainable from the County Architect, 13 Westgate-street, Bury St. Edmunds, to be returned as soon as possible.

ASHINGTON
URBAN DISTRICT COUNCIL.

APPOINTMENT OF ASSISTANT ARCHITECT.

Applications are invited for the above appointment at a salary in accordance with A.P.T. Grade III (£880-£1,065) or within the Special Grade (£785-£1,070 per annum) according to qualifications and experience.

Housing accommodation will be available if required.

Applicants should have general experience in the preparation of specifications for Municipal housing schemes and should have passed the Intermediate or Final Examination of the R.I.B.A.

Forms of application may be obtained from the Engineer and Surveyor's Department, Council Offices, Ashington, Northumberland, returnable by 31st MAY, 1960.

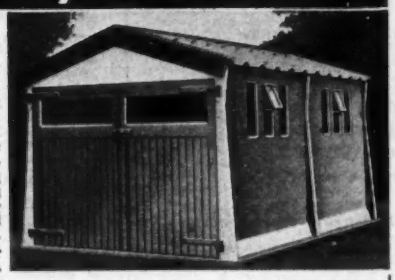
JOHN KENT,
Clerk to the Council.

Garages by MARLEY

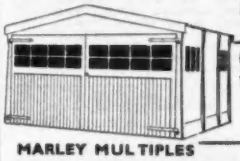
Made of high grade reinforced concrete with asbestos cement roofing, these garages are strong and proven. Of unsurpassed appearance and spacious dimensions, they are fire and rot proof and virtually maintenance free

All the necessary components are supplied for assembly by unskilled labour. Alternatively they can be supplied and erected by Marley experts.

Prices from £55 cash or attractive credit terms.



All garages may be extended in length by multiples of 1′ 4″



MARLEY MINOR
Width 7′ 10″
Lengths 11′ 2″ to 19′ 5″

MARLEY MEDIUM
Width 9′ 2″
Lengths 14′ 1″ to 22′ 4″

MARLEY MAJOR
Width 11′ 10″
Lengths 14′ 1″ to 22′ 4″

MARLEY MAGNA
Width 13′ 2″
Lengths 14′ 1″ to 22′ 4″

MARLEY MULTIPLES
Width 8′ 6″
Lengths 15′ 8″ and 17′ 3″. Choice of up-and-over doors, or traditional timber.

TILED ROOF GARAGES
Width 9′ 2″
Lengths 14′ 1″ to 22′ 4″

MARLEY CONCRETE COAL BUNKERS in 6, 9, 11, 18, 22, 27, 33, 36 and 44 cwt. capacities. **Prices from £4 15 0 plus carriage**

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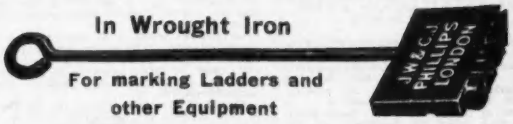
SMARTER NAME BOARDS AT LESS COST BY USING PHILLIPS' ALUMINIUM LETTERS

Letters for all purposes in Aluminium, Bronze, Sheet Metal or Wood

BRANDING IRONS

In Wrought Iron



For marking Ladders and other Equipment

REVERSE LETTERS AND PLATES

For use in Moulds for Concrete Products, Brick Moulds, etc.

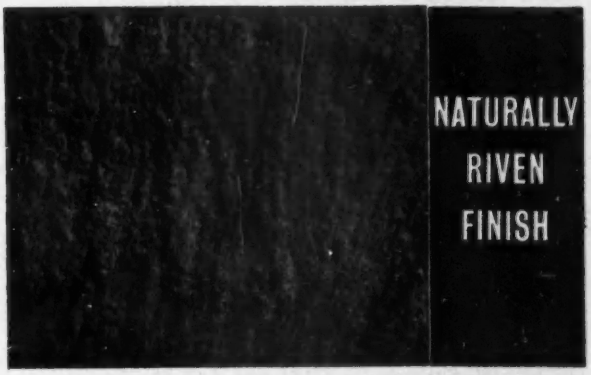
STENCILS In Zinc, Brass, Copper

J.W.& C.J. PHILLIPS LTD.
POMEROY ST., NEW CROSS, LONDON, S.E.14.
TELEPHONE: NEW CROSS 6203 AND 1677.

Lasting beauty

in Broughton Moor

Green Slate



Technical pamphlets showing typical methods of fixing are available on application:

1. Flooring 2. Facings. 3. Coping. 4. Cills 5. Riven Face Slabs.

In three distinct colours Light Sea Green, Olive Green and Pale Green Barred

Broughton Moor
GREEN SLATE QUARRIES LTD.

CONISTON, THE LAKE DISTRICT, LANCS. Tel: CONISTON 225/6

Architects and Surveyors

Here is an opportunity for the progressive-minded to take part in designing the hospitals of tomorrow. Creativity and enthusiasm are essential characteristics for this work which includes the building of large new hospitals together with additions, alterations, etc., throughout Wales and Monmouthshire. Previous experience of hospital design is desirable but not essential, since post-graduate training courses at the Royal Institute of Architecture are planned.

Welsh Regional Hospital Board Building Programme Offers Challenging Opportunities

POSITION VACANT	QUALIFICATIONS	SALARY SCALE
(a) Assistant Regional Architect	Final examination	£1,825—£2,175
(b) Senior Assistant Architects	Registered R.I.B.A.	£1,300—£1,600
(c) Assistant Architects	Experience in modern methods of construction and practical building	£905—£1,310
(d) Architectural Assistants	Intermediate Examination R.I.B.A.	£625— £900
(e) Draughtsmen	Experience in an Architect's office	£475— £685
(f) Senior Assistant Quantity Surveyor	Final examination R.I.C.S. Extensive experience in preparation of Bills of Quantity, Final Accounts, etc.	£1,300—£1,600
(g) Assistant Quantity Surveyor	Final examination R.I.C.S. Wide professional experience	£905—£1,300
(h) Building Surveyor	Experience in surveys, estimates of costs, specifications, etc.	£1,300—£1,600

MODERN OFFICES Newly-built modern offices in Cardiff's City Centre. Five-day week. All posts are superannuable.

LIVING CONDITIONS Good housing facilities near town centre and shopping area. Cardiff is within easy reach of seaside and famous rural beauty spots.

APPLICATIONS TO: Secretary, Temple of Peace and Health, Cathays Park, Cardiff, within 10 days of appearance of this advertisement. Please state age, qualifications, experience, present position and salary, names of two referees.

SOUTHWARK
METROPOLITAN BOROUGH.

Applications are invited for the following appointments in the Borough Engineer and Surveyor's Department :—

(a) QUANTITY SURVEYING ASSISTANT, A.P.T. IV (£1,095 to £1,250). Candidates must be qualified and experienced for duties including Taking-off for housing schemes with multi-storey flats, preparing bills of quantities, specifications and estimates. Unestablished post.

(b) QUANTITY SURVEYING ASSISTANT, A.P.T. II (£795 to £910). Candidates must be qualified to Intermediate level and experienced in assisting with Taking-off, abstracting and billing, and the supervision of contract works in progress. Permanent post.

If under 26 years of age, the salaries will be £10 per annum less.

Please indicate clearly the post and grade applied for.

Council's Conditions of Service of Officers and Superannuation Scheme apply. Medical examination. No housing. Canvassing will disqualify. Further particulars from the undersigned. Closing date FIRST POST on 8th JUNE, 1960.

E. J. PITT,
Town Clerk.

Southwark Town Hall
(near Elephant and Castle Underground Station),
Walworth-rd., S.E.17.

SCUNTHORPE
BOROUGH.

(An expanding modern town of 61,840 population, area 7,895 acres, R.V. £1,562,541.)

ENGINEERING AND ARCHITECTURAL APPOINTMENTS.

Applications are invited for the following appointments in the Borough Engineer and Surveyor's Department :—

SENIOR ASSISTANT ARCHITECT, A.P.T. III-IV (£880-£1,220 p.a.).

ASSISTANT ARCHITECT, A.P.T. II (£765-£880 p.a.).

ASSISTANT ENGINEER, A.P.T. II (£765-£880 p.a.).

Commencing salaries will be fixed according to qualification and experience.

Housing accommodation available if required, approved removal expenses reimbursed in full, five-day working week.

Further information and application forms relating to the appointments may be obtained from the Borough Surveyor, Laneham-street, Scunthorpe.

Completed forms must be returned to the Town Clerk 34 High-street, Scunthorpe not later than MONDAY, 6th JUNE, 1960.

BRITISH RAILWAYS.

Applications are invited for the post of leading ASSISTANT ARCHITECT in the office of the Architect, Eastern Region, at King's Cross Station. Applicants must be qualified with well developed abilities in contemporary design and administration and should have had several years' practical experience in a responsible position. Salary range £1,095-£1,200. The office is engaged on a wide range of interesting buildings. Modern working conditions. Five-day week, rail travel concessions. Apply in writing to the Architect, British Railways, Eastern Region, King's Cross Station, London, N.1.

SALFORD CITY

DIRECT WORKS DEPARTMENT.

Applications are invited from suitable qualified persons for the following appointment in the above Department :—

MAINTENANCE SUPERINTENDENT.

Applicants must have had considerable experience in the building trade and must be capable of administrating and supervising the Maintenance Section of the Department. This Section employs 300 men engaged upon the maintenance of all Council properties, including Public Buildings, Houses, Schools, Clinics, etc., and, in addition, he will be required to supervise the construction of small new buildings.

The person appointed must be capable of preparing details of labour, etc., for estimate purposes, have a knowledge of incentive payments, as a comprehensive bonus system is operated on various classes of work.

Previous experience with a Local Authority is not essential, but experience with a large Maintenance Organisation will be an advantage, as will some experience of the control of building trade workshops.

Grade A.P.T. III.

The commencing salary, according to experience, will be within the range of £880-£1,065 per annum.

This post is superannuable and subject to a medical examination.

Casual car user allowance is payable.

Housing accommodation may be considered in approved circumstances.

Applications, giving details of present and previous appointments, qualifications and experience, together with the names and addresses of two referees, should be sent to the General Manager, Direct Works Department, Unwin-street, Crosslane, Salford 5, so as to be received not later than 10 a.m. on MONDAY, 23rd MAY, 1960.

R. RIBBLESDALE THORNTON,
Town Clerk.

HARLOW
URBAN DISTRICT COUNCIL.

Require an
ASSISTANT HOUSING SUPERINTENDENT (TEMPORARY).

Salary within A.P.T. I. (£610-£765). Appointment subject to medical examination.

Applications from persons, experienced in the building trade and capable of preparing schemes, plans and estimates in connection with a three-year programme for the modernisation of Council Houses. The person appointed will also be required to supervise the carrying out of the work by the Council's Direct Labour Organisation. Although the appointment is temporary there is a possibility of advancement and permanency at the completion of the programme.

Housing accommodation will be made available if necessary and removal expenses paid.

Applications in writing, giving names of two referees, to be made to the Engineer and Surveyor, A. W. R. Webb, A.M.I.C.E., M.I.Mun.E., Netteswell Hall, Harlow, Essex, not later than WEDNESDAY, 25th MAY, 1960.

NEWCASTLE UPON TYNE
CITY AND COUNTY.

APPOINTMENT OF DEPUTY CITY ARCHITECT.

Applications are invited for the appointment of DEPUTY CITY ARCHITECT at a salary of £1,953 6s. 8d. per annum, rising by three annual increments to a maximum of £2,176 13s. 4d. per annum.

Applicants must be Members of the Royal Institute of British Architects, and should have had wide experience of the architectural work of a Local Authority, including Housing, Educational and other Public Buildings.

The appointment will be subject to the National Conditions of Service as adopted by the City Council, to the provisions of the Local Government Superannuation Acts, 1937-1953, and to three months' notice on either side. The successful candidate will be required to pass a medical examination.

Application forms and full particulars may be obtained from George Kenyon, A.R.I.B.A., A.M.T.P.I. City Architect, 18 Cloth Market, Newcastle upon Tyne, 1, to whom they must be returned, endorsed "Deputy City Architect" on or before MONDAY, 20th JUNE, 1960.

Canvassing in any form will be a disqualification.

JOHN ATKINSON,
Town Clerk.

Town Hall,
Newcastle upon Tyne, 1.
12th May, 1960.

WILLESDEN
BOROUGH.

Applications are invited for the appointment in the Building Works Section of the Borough Engineer and Surveyor's Department of INCENTIVES OFFICER, salary within Grade A.P.T. II (£765-£880 p.a.) plus London Weighting, maximum £30 p.a. Candidates should have had experience in Bonus Surveying new buildings including measurement and agreeing targets.

The Council cannot assist with housing.

Further details and application forms obtainable from the Borough Engineer and Surveyor, Town Hall, Dyne-road, Kilburn, N.W.6, to be returned by 10 a.m. on MONDAY, 30th MAY, 1960.

BIRMINGHAM CITY

DIRECT LABOUR BUILDING DEPARTMENT.
BUILDER'S SURVEYOR
(Salary up to £975, according to experience).

Experience in measuring, preparation of materials schedules, essential. Knowledge of bonus schemes and final billing advantageous. Five-day week. Pension Scheme; Medical Examination. Applications, with full details, together with names and addresses of two referees, to undersigned by 1st JUNE, 1960.

E. A. COLLEY,
General Manager.

37 Rotton Park-street,
Birmingham 16.

HAMPSHIRE
COUNTY COUNCIL.

ARCHITECTURAL ASSISTANT, A.P.T. I (£610-£765) Required for pensionable post in County Architect's Department. Candidates should be studying for the Intermediate Examination of the R.I.B.A., and have had several years' experience in an Architect's office. Assistance with removal and other expenses in approved cases. Five-day week. Canteen facilities.

Application forms (send s.a.e.), returnable by 31st MAY from the Clerk of the County Council, The Castle, Winchester.

NORTHERN IRELAND
GOVERNMENT.

ASSISTANT ARCHITECT CLASS II.

Applications invited for unestablished post in Chief Architect's Branch, Ministry of Finance. Candidates must be Registered Architects by examination with at least two years' experience in an Architect's office in preparing working drawings. Salary scale £805 (at age 25)-£1,095 (age 34 and over)-£1,260. Prospects of promotion and pensionable appointment. Preference for ex-Servicemen. Application forms, obtainable from Director of Establishments, Room 271, Stormont, Belfast, 4, to be completed and returned by 16th JUNE, 1960.

SLOUGH
CORPORATION.

APPOINTMENT OF ASSISTANT ARCHITECT, GRADE A.P.T. IV.

A major programme of new building work has recently been approved by the Council in connection with the general development of the Borough and a vacancy for an ASSISTANT ARCHITECT arises in consequence. The programme is a varied one, including in addition to normal housing development, 12-storey blocks of flats, factories, shops, and buildings for parks and other municipal functions.

The appointment will be for the duration of the programme which is estimated to be completed in three to four years. This vacancy is suited to an Architect who is particularly interested in the application of original thought to the design of buildings for a variety of functions and to whom contemporary architectural design appeals.

A five-day week is in operation and a three-bedroom staff flat in pleasant rural surroundings a short distance outside the town may be made available to a suitable married candidate who desires living accommodation.

Qualified Architects who are interested in this vacancy are invited to write to the Borough Engineer, Town Hall Slough, Bucks, giving brief details of their qualifications and experience. He will be pleased to send to them further details of the programme of design work, together with information, which would be of particular interest to those not familiar with Slough, in regard to the Department, the town and its surroundings.

WORCESTERSHIRE
COUNTY COUNCIL.

Applications are invited for :—(1) ARCHITECTURAL ASSISTANT, Grade A.P.T. III (£880-£1,065) or Special Grade (£785-£1,070) according to qualifications and experience. The County Council may be able to assist with housing accommodation. (2) TEMPORARY CLERK OF WORKS.

Application forms and further particulars should be obtained from L. C. Lomas, F.R.I.B.A., County Architect, 11 Castle-street, Worcester, not later than 2nd JUNE, 1960. (Z.140)

HACKNEY
METROPOLITAN BOROUGH.

ENGINEER AND SURVEYOR'S DEPARTMENT.

Applications are invited for the following permanent appointments in the Building (Maintenance) Section of the Department.

(a) ASSISTANT BUILDING SURVEYORS (Two Appointments), Grade A.P.T. II-III (£765-£1,065).

Candidates must have a sound knowledge of building construction and preference will be given to applicants holding appropriate technical qualifications who have also had considerable experience in the preparation of specifications, estimating and incentive bonus schemes in connection with the maintenance of housing properties and public buildings.

(b) JUNIOR BUILDING SURVEYOR Grade A.P.T. I (£610-£765).

For this appointment, candidates are required to have had experience in taking-off, site measuring and preparation of specifications in connection with the maintenance of housing properties and public buildings. Preference will be given to candidates suitably qualified.

In all cases appropriate London Weighting allowance is payable in addition and commencing salaries will be according to training, qualifications and experience. Staff canteen; alternate Saturdays. Post-entry educational training facilities.

Application forms obtainable from Town Clerk, Town Hall, Hackney, E.8, returnable by 9 a.m., 7th JUNE, 1960.

CUMBERLAND
COUNTY COUNCIL.

APPOINTMENT OF COUNTY ARCHITECT.

Applications are invited for the appointment of COUNTY ARCHITECT for the Administrative County of Cumberland.

Salary within the scale £2,550 (1 x £115); (2 x £110)-£2,885 per annum.

Application forms, together with further details, may be obtained from the undersigned to be returned not later than WEDNESDAY, 8th JUNE, 1960.

G. N. C. SWIFT,
Clerk of the County Council.

The Courts,
Carlisle.
10th May, 1960.

NOTTINGHAM CITY.

CITY ENGINEER'S DEPARTMENT—ASSISTANT ELECTRICAL ENGINEER.

Salary: £765-£1,065.

Applications are invited for the above position in the City Engineer's Department, Nottingham, in Grade A.P.T. II £765-£880 p.a.) or A.P.T. III (£880-£1,065 p.a.). Grade and starting salary will depend on qualifications and experience.

Applicants must have the ability to design electric lighting and power installations for new buildings. The work in the office is on a five-day week basis.

Applications on forms to be obtained from R. M. Finch O.B.E., M.I.C.E., City Engineer and Surveyor, Guildhall, Nottingham, must be returned to him not later than FRIDAY, 3rd JUNE, 1960.

HACKNEY
METROPOLITAN BOROUGH.

ASSISTANT ARCHITECT OR ARCHITECTURAL ASSISTANT, ENGINEER AND SURVEYOR'S DEPARTMENT.

Candidates must have passed the Final or Intermediate Examination of the R.I.B.A. and Appointment will be made as ASSISTANT ARCHITECT in A.P.T. IV (£1,065-£1,220) or as ARCHITECTURAL ASSISTANT in A.P.T. II (£765-£880), A.P.T. III (£880-£1,065) or Special Grade (£785-£1,070) per annum according to qualifications and experience.

In all cases appropriate London Weighting allowance is payable in addition, and commencing salaries will be according to training, qualifications and experience. Staff canteen, alternate Saturdays, post-entry educational training facilities.

Application forms obtainable from the Town Clerk, Town Hall, Hackney, E.8, returnable by 9 a.m. 7th JUNE, 1960.

LEYTON
BOROUGH
(in the County of Essex).

COMMITTEE FOR EDUCATION.
APPOINTMENT OF ARCHITECTURAL ASSISTANT.

Applications are invited for the permanent appointment of ARCHITECTURAL ASSISTANT, Grade A.P.T. II, £765-£880 per annum, plus London Weighting. The successful applicant will be employed by the Essex County Council, and will work in the School Architect's Section of the Borough Engineer and Surveyor's Department, Town Hall, Leyton, E.10. Five-day week is operated.

Details and forms of application from the Borough Education Officer, Education Offices, Kirkdale-road, Leytonstone, E.11, to whom they should be returned within 10 DAYS from the appearance of this advertisement.

D. J. OSBORNE,
Town Clerk.

Town Hall,
Leyton, E.10.

THE UNITED OXFORD HOSPITALS.

Applications are invited for the post of SURVEYING ASSISTANT, at a salary of £625-£900 per annum, commencing salary depending on age and experience.

Applicants must have passed the Intermediate Examination of the Royal Institution of Chartered Surveyors, Building Sub-Division, and have had experience in the preparation of plans and specifications for alterations to existing buildings.

Applications, stating age, qualifications and experience, together with the names of three referees, to be sent to the undersigned by 7th JUNE, 1960.

W. F. KEEGAN, A.R.I.C.S.,
Surveyor to the United Oxford Hospitals.
Radcliffe Infirmary,
Oxford.

NOTTINGHAM CITY.

APPOINTMENT OF CITY ARCHITECT.

The Corporation is considering the establishment of an ARCHITECTURAL DEPARTMENT and the appointment of a CITY ARCHITECT who will be responsible for the Corporation's Architectural and Building work.

Architects of experience are invited to apply. If an appointment is made it will be at a salary of £3,340 rising by one increment of £115 and two further increments of £110 to £3,675 per annum, and the gentleman appointed will be required to contribute to the Corporation's Superannuation Scheme and to pass a medical examination.

Applications accompanied by the names of three persons to whom reference can be made must be delivered to me not later than the LAST POST on MONDAY, 13th JUNE in an envelope endorsed "City Architect."

T. J. OWEN,
Town Clerk.

The Guildhall,
Nottingham.

CAMBERWELL
METROPOLITAN BOROUGH.

ASSISTANT STORES SUPERINTENDENT.

Applications invited from persons with experience of control of stores. Salary £650-£805 inclusive (Grade A.P.T. I of the National Scales). Application form from Town Clerk, Town Hall, S.E.5. Closing date 28th MAY, 1960.

BOOTLE
COUNTY BOROUGH.

BOROUGH SURVEYOR'S DEPARTMENT.

Applications are invited for the appointment of a TEMPORARY CLERK OF WORKS on Grade A.P.T. I. £610 rising to £765 per annum.

Application forms from the Borough Surveyor, Town Hall, Bootle, 20, Lancs, are returnable by FRIDAY, 27th MAY, 1960.

HAROLD PARTINGTON,
Town Clerk.

CHESTERFIELD
BOROUGH.

WORKS DEPARTMENT.
WORKS SUPERINTENDENT.

Applications are invited for the above APPOINTMENT. Salary in accordance with Grade A.P.T. III (£880-£1,065). Previous Local Government experience not essential. Applicants should be suitably qualified with good general experience of all branches of the building industry; able to control workmen; set out work; take off materials and prepare estimates for minor works.

Consideration will be given to the provision of Housing Accommodation to rent.

The appointment is superannuable and subject to medical examination.

Applications stating age, qualifications, experience, present and previous appointments and the names of two referees to the Works Manager, Chesterfield Corporation Works Department, Central-avenue, Boythorpe, Chesterfield, to be received on or before the 27th MAY, 1960.

RICHARD CLEGG,
Town Clerk.

13th May, 1960.

THE POLYTECHNIC
309 REGENT-STREET, W.1.

SCHOOL OF ARCHITECTURE, SURVEYING, AND TOWN PLANNING.

Applications are invited for a post as SENIOR LECTURER with special responsibility for the courses in Surveying. Duties to commence on 1st September, 1960.

Candidates must be corporate members of the Royal Institution of Chartered Surveyors and should have had both teaching and professional experience.

The salary scale commences at £1,550, rising by annual increments of £50 to a maximum of £1,750 per annum plus London allowance of £38 or £51. A form of application, which should be returned within two weeks of the publication of this advertisement, may be obtained from the undersigned.

J. E. RICHARDSON,
Director of Education.

NEWCASTLE REGIONAL HOSPITAL BOARD

REGIONAL ARCHITECT—P. H. KNIGHTON, M.B.E., A.R.I.B.A.

HOSPITAL EXPANSION PROGRAMME

APPOINTMENT OF ASSISTANT REGIONAL ARCHITECT

In connection with a considerable number of major projects to be carried out as part of the Hospital Expansion Programme, the Board invites applications for the post (superannuable) of ASSISTANT REGIONAL ARCHITECT at the salary scale of

£1,825 — £2,175.

Applicants must be Registered Architects, having passed the requisite examinations, should be particularly well versed in the design and execution of major building projects and the control of staff.

Previous hospital experience is not essential as it is hoped that the successful applicant will be able to attend a post-graduate course to be held at the R.I.B.A., early in July and possibly a further course later in the year.

Applications stating age, qualifications, past and present appointments, present salary and details of experience and training, together with the names of three referees (of whom at least two should be architects) should be forwarded to the

SECRETARY TO THE BOARD,
BENFIELD ROAD, NEWCASTLE-UPON-TYNE, 6,

not later than the 25th May, 1960.

ESSEX
COUNTY.

BOROUGH OF WALTHAMSTOW COMMITTEE FOR EDUCATION.
ASSISTANT BUILDING SURVEYOR, within A.P.T. Grade II, £765-£880 per annum plus London Weighting.

Applicants should hold the R.I.B.A. Building Surveyors Diploma or have passed Inter R.I.C.S. (Building Section), and have had experience in preparing reports estimates, specifications and supervising repair and maintenance of buildings.

The building programme includes a number of new schools, extensions to and major remodelling of existing schools.

The Council will make up to 100 per cent. advance to the successful applicant for house purchase in this or adjoining boroughs.

Forms of application to be obtained from and returned to the Borough Education Officer, Town Hall, Forest-road, Walthamstow, E.17, within TWO WEEKS of the appearance of this notice.

LANCASHIRE
COUNTY COUNCIL.

Applications are invited for the permanent appointment of ASSISTANT ARCHITECTS within the Salary Scale £750-£1,070. There is a large and varied programme and the successful applicants will be encouraged to deal with smaller projects from sketch plans to completion, and assist more Senior Architects on major projects. A wide experience will be gained and opportunities afforded by the promotion scheme within the office.

Forms of application and details on the organisation of the Department may be obtained, on application, from the County Architect, P.O. Box 26, County Hall, Preston.

LANCASHIRE
COUNTY COUNCIL.

CLERKS OF WORKS.

Applications are invited for appointment of BUILDING CLERKS OF WORKS within the Salary Scale £850-£950 per annum, according to experience and ability. Successful applicants, who should have a thorough knowledge of all aspects of the building trade, will be engaged on major building projects in various parts of Lancashire.

The posts are temporary, with a possibility of continued employment, and previous Local Government Service will be reckonable for superannuation purposes.

Applications should be made on a form to be obtained from the County Architect, P.O. Box 26, County Hall, Preston, and returned as soon as possible.

ARCHITECTS
AND MAINTENANCE SURVEYORS.

Pensionable posts for men and women at least 25 and under 35 on 1.1.60 (extension for regular Forces service, Overseas Civil Service, established civil service and temporary Government service as Architect or Maintenance Surveyor). Candidates must be registered Architects or, alternatively, for Maintenance Surveyor posts, have achieved Corporate membership of R.I.C.S. (Building Section), or have passed examinations necessary for attaining Corporate membership. Starting salary (men, London) from £830 to £1,125 according to age. Scale maximum (London) £1,300. Promotion prospects. Write Civil Service Commission, 17 North Audley-street, London, W.1, for application form quoting S. 60-61.

BRENTFORD & CHISWICK
BOROUGH.

Applications are invited for the appointment of BUILDING SURVEYOR in the Borough Engineer and Surveyor's Department on Grade A.P.T. III (£880-£1,065 p.a.) plus London Weighting Allowance.

Experience required in surveying and valuing property for advances under the Housing Acts, and dealing with applications for Improvement Grants.

If necessary, the Council may be able to assist with housing accommodation.

Application form and details of appointment are obtainable from the Borough Engineer to be returned not later than 28th MAY, 1960.

W. F. J. CHURCH,
Town Clerk.

Town Hall,
Chiswick,
W.4.

SOUTHAMPTON
COUNTY BOROUGH.

BOROUGH ARCHITECT'S DEPARTMENT.

Applications are invited for the following permanent posts:—

(a) SENIOR QUANTITY SURVEYOR Grade IV (£1,065-£1,220).

(b) SENIOR QUANTITY SURVEYOR, Special Grade (£785-£1,070).

Housing accommodation available in approved cases and approved removal expenses reimbursed up to a maximum of £50.

Applicants should possess appropriate qualifications. Commencing salary within grade according to experience and qualifications.

Application forms from the Borough Architect, Civic Centre, Southampton, returnable by 6th JUNE, 1960.

SOUTHAMPTON
COUNTY BOROUGH.

BOROUGH ENGINEER AND SURVEYOR'S DEPARTMENT.

Applications are invited for the following appointments:

(a) ASSISTANT ARCHITECT, Grade A.P.T. IV, £1,065-£1,220. Applicants must hold the qualification A.R.I.B.A. and have had wide experience in housing design and construction, including multi-storey flats and shopping centres, in connection with redevelopment schemes in urban areas.

(b) ASSISTANT ARCHITECT within the grading for Special Classes of Officers (£785-£1,070) according to experience and qualifications (a commencing salary of £950 is envisaged). Applicants must have passed Parts I and II of the R.I.B.A. final examination and have had experience in housing design and construction and estate layout.

(c) ARCHITECTURAL ASSISTANT, Grade A.P.T. II, £765-£880. Applicants are required to have passed the intermediate R.I.B.A. examination or its equivalent at one of the recognised schools of architecture, and preferably have had experience in local government housing.

(d) ASSISTANT QUANTITY SURVEYOR, Grade A.P.T. IV, £1,065-£1,220. Applicants must be fully qualified chartered quantity surveyors, preferably with wide experience in municipal housing, including multi-storey flats and shopping centres.

The appointments are subject to N.J.C. conditions of service.

Housing accommodation available in approved cases and approved removal expenses reimbursable up to a maximum of £50.

Apply on application forms obtainable from the Borough Engineer and Surveyor, Civic Centre, Southampton, returnable by TUESDAY, 7th JUNE, 1960.

CUMBERNAULD NEW TOWN

The population target of the New Town has been increased to 70,000 and the building programme is to be expanded. The following staff are required urgently in the Department of the Chief Architect and Planning Officer:—

Assistant Quantity Surveyors—Two posts. Salary Scale APT III/IV (£880-£1,220)

To be responsible for the preparation of Schedules of Quantities, for all trades, Interim Valuations and Final Accounts, under the direction of Senior Assistants, for all types of building projects. A.R.I.C.S. required.

Quantity Surveying Assistant. Salary Scale APT I/II (£610-£880)

To assist with the preparation of Schedules of Quantities and Remeasurement of Building Works. Should have had at least five years' experience Previous experience of industrial development an advantage, but not essential.

Intermediate R.I.C.S. required. The Chief Quantity Surveyor is a member of the Royal Institute of Chartered Surveyors and the office is approved for R.I.C.S. examination purposes.

5-day week.

Commencing salary within the above grades will be fixed according to qualifications and experience.

Assistance with housing in appropriate cases.

Local Government Superannuation subject to medical examination.

Application forms which may be obtained from the General Manager, **Cumbernauld Development Corporation, Cumbernauld House, Cumbernauld, Glasgow,** should be returned completed NOT LATER THAN Friday, 10th June, 1960.

ST. HELENS
COUNTY BOROUGH.

BOROUGH ENGINEER AND SURVEYOR'S DEPARTMENT.

Applications are invited for the following appointments in the Architectural Section of the Department:

(a) PRINCIPAL ASSISTANT ARCHITECT, Grade A.P.T. V (£1,220-£1,375).

(b) ARCHITECTURAL ASSISTANT, Grade A.P.T. II-III (£765-£1,065).

Applicants for appointment (a) should be qualified Architects with good experience in general Municipal development.

The Council operates a 5-day working week.

The appointments will be terminable by one month's notice and will be subject to the Local Government Superannuation Acts. Medical Examination and N.J.C. conditions of service.

Applications stating age, qualifications, present and past appointments, and details of experience, giving names of two referees and clearly indicating the appointment applied for must be forwarded to the undersigned not later than MONDAY, 30th MAY, 1960.

Applicants must reveal relationship to any member or senior officer of the Council. Canvassing will disqualify.

M. WARD, M.I.Mun.E., M.T.P.I., A.M.I.Struct.E.,
Borough Engineer.

Town Hall,
St. Helens.

WEDNESFIELD
URBAN DISTRICT COUNCIL.

ENGINEER AND SURVEYOR'S DEPARTMENT.
APPOINTMENT OF CHIEF ASSISTANT ENGINEER.

Applications are invited for the appointment of CHIEF ASSISTANT ENGINEER at a salary in accordance with A.P.T. Grade IV (£1,065 to £1,220 per annum).

Applicants must have had considerable experience in municipal engineering and have passed the Final Testamur Examination of Municipal Engineers or hold equivalent qualification.

Housing accommodation will be provided, if necessary, and reasonable removal expenses will be paid.

The National Joint Council Conditions of Service will apply and the successful applicant must submit to a medical examination.

The district is developing rapidly and offers exceptional experience.

Applications stating age, qualifications, experience, with the names of two referees must be received by the undersigned by not later than 3rd JUNE, 1960.

J. HENWOOD JONES.
Clerk of the Council.

Council Offices,
Alfred Squire-road,
Wednesfield,
Staffs.

BEXLEY
BOROUGH.

ARCHITECTURAL DRAUGHTSMAN.

Applications are invited for this APPOINTMENT at a salary within Grade A.P.T. I (£610-£765 per annum) plus London Weighting.

Applicants should be good draughtsmen and have a general knowledge of building construction and specification work.

Form of application and conditions of appointment are obtainable from Borough Engineer, West Lodge, Broadway, Bexleyheath, to whom completed applications must be returned by MONDAY, 30th MAY, 1960. Canvassing will disqualify.

ARTHUR GOLDFINCH,
Town Clerk.

POOLE
BOROUGH.

APPOINTMENT OF WORKS MANAGER.

Applications are invited for the appointment of MANAGER of the Corporation's Works Department employing approximately 200 and carrying out contract work for the Corporation in competition with outside contractors.

Salary: Grade C, £1,385-£1,620; plus £150 per annum car allowance. Full particulars and application form from me to be returned by 3rd JUNE, 1960.

J. G. HILLIER,
Town Clerk.

Municipal Buildings,
Poole.

METROPOLITAN
POLICE.

RECEIVER'S OFFICE
requires
SANITARY ENGINEERING DRAUGHTSMEN
for interesting and varied work in connection with
POLICE HOUSING AND NON-HOUSING BUILDING PROGRAMMES.
£570 p.a. at age 21
rising by annual increments to a maximum of
£900 p.a.

Starting pay according to age. Maximum age entry point—£783 p.a. (age 28).

Applicants to have Ordinary National Certificate as a minimum qualification. Previous experience on similar work would be considered an advantage.

Apply in writing to:
Room 578 (B),
Receiver's Office,
New Scotland Yard,
S.W.1.

HARROW
BOROUGH.

Applications are invited for the following appointment in the Department of the Borough Engineer and Surveyor:—QUANTITY SURVEYING ASSISTANT, A.P.T. Grade II (£765 to £880 per annum, plus London "Weighting"), the commencing point being in accordance with qualifications and experience.

Applicants should have passed the Intermediate examination of the R.I.C.S. or I.Q.S.

The Council cannot provide housing accommodation, but a contribution towards removal expenses will be considered.

The appointment will be subject to the Local Government Superannuation Acts; and to the National Joint Council's Scheme of Conditions of Service.

Application forms, obtainable from me, should be returned, not later than SATURDAY, 28th MAY, 1960.

D. H. PRITCHARD,
Town Clerk.

Town Clerk's Office,
Harrow Weald Lodge,
Harrow, Middlesex.

LONDON
COUNTY COUNCIL.

ARCHITECT'S DEPARTMENT.

Vacancies exist at Grade III and Technical Assistant levels for BUILDER'S ESTIMATORS to price bills of quantities for major building projects. Up to £1,135 (now under review with probable maximum £1,250) according to experience.

Form and particulars from Hubert Bennett, F.R.I.B.A., Architect to Council (EK/B/1009/5B), County Hall, London, S.E.1.

DERBY
COUNTY BOROUGH.

BOROUGH ARCHITECT'S DEPARTMENT.

(a) SENIOR ASSISTANT ARCHITECT, A.P.T. Grade IV. (£1,065-£1,220 per annum.) Qualifications: A.R.I.B.A.

(b) SENIOR ASSISTANT ARCHITECT, Special Grade. (£785-£1,070 per annum.) Qualifications: A.R.I.B.A.

(c) JUNIOR ARCHITECT, General Division. (£210-£595 per annum.) Qualifications: Probationer R.I.B.A.

Or

ASSISTANT ARCHITECT, A.P.T. Grade I. (£610-£765 per annum.) Qualifications: Intermediate R.I.B.A.

(d) SENIOR QUANTITY SURVEYOR, A.P.T. Grade III-IV. (£880-£1,220 per annum.) Qualifications: A.R.I.C.S. (Quantities) or A.I.Q.S. or A.I.A.S. with appropriate experience.

(e) JUNIOR QUANTITY SURVEYOR, General Division. (£210-£595 per annum.) Qualifications: Student member R.I.C.S. with previous experience in Quantity Surveyor's Office.

Or

ASSISTANT QUANTITY SURVEYOR, A.P.T. Grade I. (£610-£765 per annum.) Qualifications: Intermediate R.I.C.S. with good experience in working up Bills of Quantities and Final Accounts, measuring on site and taking off for small works.

Commencing salary according to qualifications and experience. Permanent superannuable appointments, subject to one month's notice and to medical examination. National Conditions of Service.

Forms of application obtainable from and to be returned to the Borough Architect, The Council House, Corporation-street Derby, not later than WEDNESDAY, 8th JUNE, 1960.

G. H. EMLYN JONES,
Town Clerk.

10th May, 1960.

METROPOLITAN
POLICE.

RECEIVER'S OFFICE
requires
ASSISTANT MAINTENANCE SURVEYOR.

Salary—£830 per annum at age 25 rising by annual increments to a maximum of £1,300 per annum. (Starting pay according to age. Maximum salary payable on entry—£1,125 per annum, being the age 34 point on the scale.)

Qualifications Required — Applicants must be registered Architects or have achieved Corporate membership of R.I.C.S. (Building Surveying Section).

Apply To—Chief Clerk (B), Architect and Surveyor's Department, New Scotland Yard, S.W.1.

HAMPSHIRE
COUNTY COUNCIL.

ARCHITECTURAL ASSISTANT (Special Scale, £785-£1,070) Required for pensionable post in County Architect's Department. Candidates must have passed Parts I and II of the R.I.B.A. Final Examination, or equivalent, and have had at least five years' experience (including the period spent in theoretical training). The commencing salary will be determined by experience and ability. Separation allowance and assistance with removal expenses in approved cases.

Application forms, returnable by 3rd JUNE, from the Clerk of the County Council, The Castle, Winchester.

Brelkos
CEMENT WATERPROOFER

was used throughout to give added protection

COULSDON, RIDDLESDOWN COUNTY SECONDARY SCHOOL.

County Architect:
J. HARRISON A.R.I.B.A

Main Contractors:
C.A.S. (Contractors) Ltd., London, W.8.

Brelkos Cement Waterproofer is a fine powder which, when added to cement, makes concrete waterproof. Economical in use, as 3¼ lb. is sufficient for 1 cwt. cement.

Manufactured by **PURIMACHOS LIMITED ST. PHILIPS BRISTOL 2.**

Also manufacturers of Brella Silicone Waterproofer for use on damp walls.

Check these against your next specification

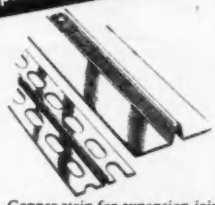
'TERRABOND'

Serrated brass strip for terrazzo flooring. Reduces laying costs by allowing an early start to filling-in. Two sizes— ⅜" x ⅛" and ½" x ⅛", special sizes to order.

'KUDAMPRO' dampcourse strip

Copper strip for horizontal damp-proof courses. Will not tear, puncture or exude from the joints. Soft-temper coils of standard length, widths up to 36".

Expansion joint strip

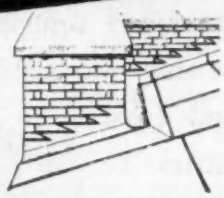


Copper strip for expansion joints, two patterns — BS 1878 and to I.C.I. design with punched holes to keep strip firm. Standard 10-12 ft. lengths x 5" wide.

Roofing Copper

Coiled strip or sheet to BS 1569 for roof and wall cladding. Supplied in tempers appropriate to the roofing method.

Gutterings & flashings



Copper sheet or strip to BS 1569 for gutterings, flashings and weatherings. Also supplied to BS 1431 for rainwater goods. Dead soft or half-hard temper.

Extrusions

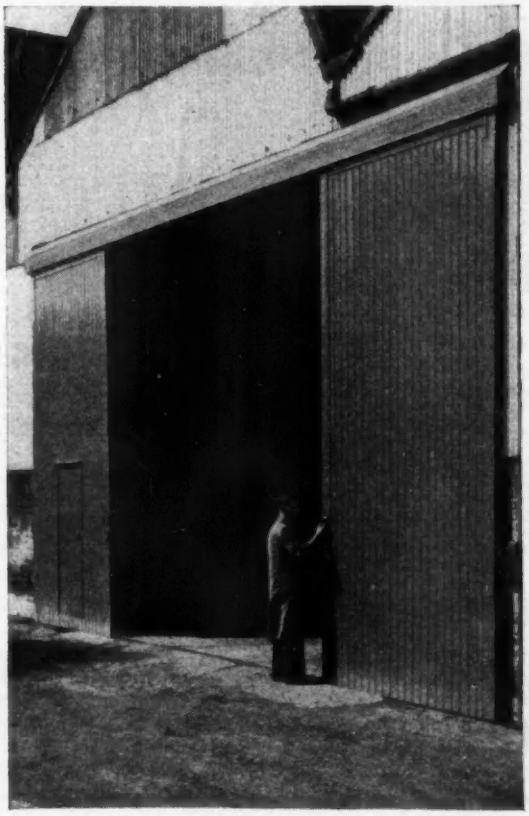
Copper alloy extrusions for balustrades, doors, window frames, stair nosings, shop fittings, and decorative trim.

Modern materials in modern buildings

IMPERIAL CHEMICAL INDUSTRIES LIMITED, LONDON, S.W.1

ICI METALS DIVISION

M210



ELLARD 'ROLLS'

SLIDING AND FOLDING DOOR GEAR

FOR HANGARS
FACTORIES
SHOWROOMS, ETC.

No. 200.	SERIES	FOR	DOORS	UP TO	2 CWT	PER	LEAF
No. 300.	,,	,,	,,	,,	3 CWT	,,	,,
No. 400.	,,	,,	,,	,,	5 CWT	,,	,,
No. 400H.	,,	,,	,,	,,	7 CWT	,,	,,
No. 500.	,,	,,	,,	,,	20 CWT	,,	,,
No. 500H.	,,	,,	,,	,,	40 CWT	,,	,,

A comprehensive range of Sliding and Folding Door Gear is available for any application, from a cabinet to an aircraft hangar door.

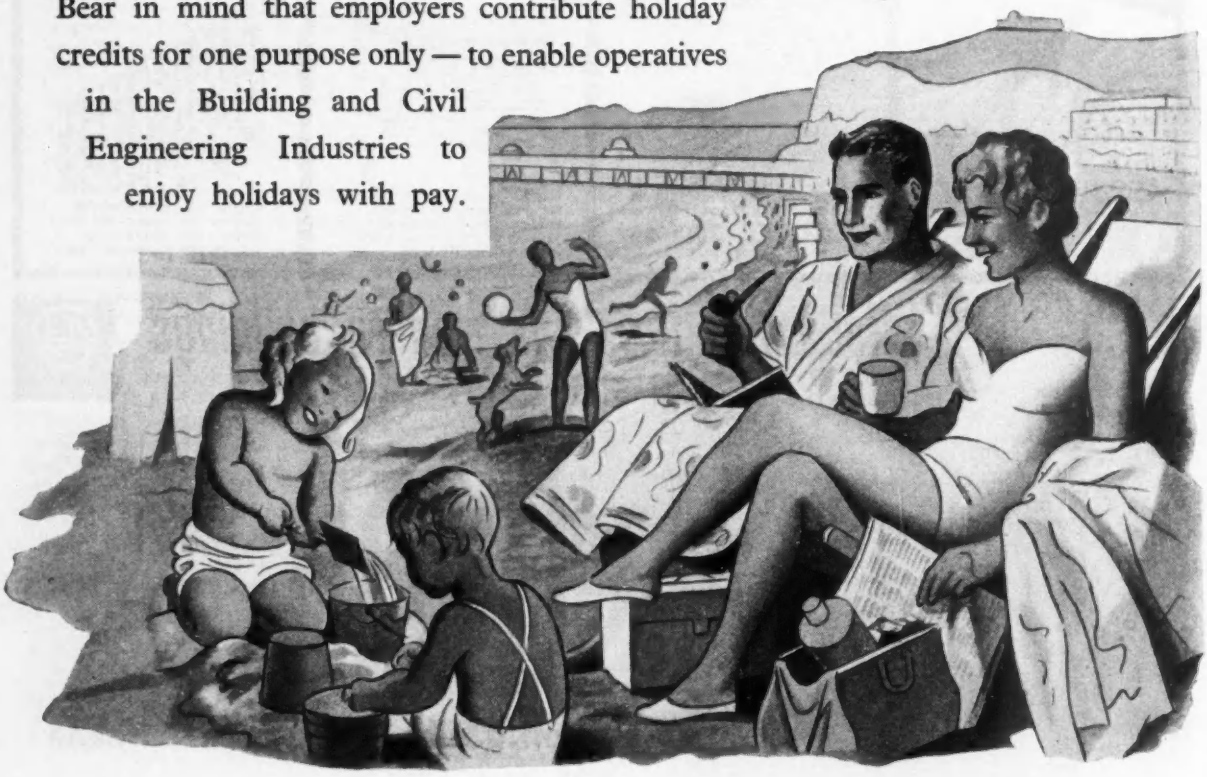
Fully illustrated literature and prices from:—

ELLARD SLIDING DOOR GEARS LTD.
(Desk 9) Works Road, Letchworth, Herts. Tel: 613/4

LONDON OFFICE:
5 New Bridge Street, Ludgate Circus, London, E.C.4. Tel: CITy 4815

This is the way to draw holiday pay!

Bear in mind that employers contribute holiday credits for one purpose only — to enable operatives in the Building and Civil Engineering Industries to enjoy holidays with pay.



The scheme was never intended to be used as a loan or sick club and **NO OPERATIVE IN THESE INDUSTRIES IS ENTITLED TO DRAW HIS CREDITS WITHOUT TAKING THE APPROPRIATE HOLIDAY.**

Anyone attempting to do so is undermining a scheme instituted for the benefit of all concerned in the Industries.

NOTE:

An employer has a true claim for re-imbursement only if the credits have been paid to his own employees at the time they take their holidays.

BUILDING AND CIVIL ENGINEERING

HOLIDAYS SCHEME

MANAGEMENT LIMITED

KING'S LYNN
BOROUGH.

HOUSING ARCHITECT'S DEPARTMENT.

Applications are invited for the appointment of ASSISTANT QUANTITY SURVEYOR. Grade A.P.T. II (£765-£880 per annum).

Candidates should have passed the appropriate intermediate examination, and be able to assist in the preparation of Bills of Quantities, Valuations and measurement of works in progress and settlement of Final Accounts.

Consideration will be given to the provision of housing accommodation.

The appointment is superannuable and subject to the National Scheme of Conditions of Service, and to medical examination.

Applications, giving age and full particulars of experience and previous appointments, and naming two referees, should be addressed to G. Holmes, A.R.I.B.A., Housing Architect, Clifton House, Queen-street, King's Lynn, not later than FRIDAY, 17th JUNE, 1960.

Canvassing disqualifies.

E. W. GOCHER,
Town Clerk.

Town Hall,
King's Lynn,
Norfolk.

SALOP
COUNTY.

ARCHITECT'S DEPARTMENT.

There is a vacancy for an ASSISTANT HEATING ENGINEER on A.P.T. Grade II (£765-£880 p.a.). Duties include the maintenance of central heating and hot water supply installations and other engineering plant. The man appointed will require a motor car to carry out his duties for which essential user expenses will be paid. N.J.C. Conditions. Five-day week.

A disturbance allowance or weekly separation allowance may be paid to a married man taking up the appointment.

Conditions of service and application form obtainable from Ralph Crowe, A.A.Dipl., A.R.I.B.A., A.M.T.P.I., County Architect, Column House, London-road, Shrewsbury. Closing date 10th JUNE, 1960.

HACKNEY
METROPOLITAN BOROUGH.

ENGINEER AND SURVEYOR'S DEPARTMENT.

Applications are invited for the following permanent appointments in the Architectural Section of the Department:

(a) TECHNICAL ASSISTANT (BUILDING), Grade A.P.T. III (£880-£1,065).

(b) TECHNICAL ASSISTANT (BUILDING), Grade A.P.T. II (£765-£880).

For appointment (a) preference will be given to candidates who hold the Higher National Certificate in Building or who have passed the Intermediate Examination of the R.I.C.S.

For appointment (b) preference will be given to candidates who hold the Ordinary National Certificate in Building or a comparable technical qualification.

Duties in both cases will be mainly concerned with specifying and supervising works of repair, maintenance and improvements to housing estates and public buildings.

In all cases appropriate London Weighting allowance is payable in addition and commencing salaries will be according to training, qualifications and experience. Staff canteen. Alternate Saturdays. Post-entry educational training facilities.

Application forms obtainable from Town Clerk, Town Hall, Hackney, E.8, returnable by 9 a.m., 7th JUNE, 1960.

SWANSEA.
COUNTY BOROUGH.

BOROUGH ARCHITECT'S DEPARTMENT.

Applications are invited for the following posts:—

(a) QUANTITY SURVEYING ASSISTANT. Salary Grade A.P.T. I (£610-£765).

Applicants must have passed the Intermediate Examination of the Royal Institution of Chartered Surveyors (Quantities Sub-Division).

(b) QUANTITY SURVEYING ASSISTANT. Salary Grade Clerical I (£595-£670).

Applicants must have passed the First Professional Examination of the Royal Institution of Chartered Surveyors.

Applicants for both posts must have had considerable experience in squaring, abstracting, billing and measurement of works on site.

The commencing salary in each case will be within the grade according to ability and experience.

Candidates must be under 45 years of age unless in Local Government Service.

The appointments will be subject to the provisions of the Local Government Superannuation Act and may be terminated by one month's notice on either side. Successful applicants will be required to pass a medical examination.

Forms of application may be obtained from the Borough Architect, The Guildhall, Swansea, to whom they must be returned not later than FRIDAY 3rd JUNE, 1960.

Canvassing disqualifies.

T. B. BOWEN,
Town Clerk.

The Guildhall,
Swansea.

WELSH REGIONAL
HOSPITAL BOARD.

ARCHITECT'S DIVISION.
ASSISTANT REGIONAL ARCHITECT (REVISED ADVERTISEMENT).
Salary £1,825-£2,175.

Applications invited from qualified architects for above post. Person to be appointed will be responsible to the Regional Architect for one or more of the design teams engaged on major capital works for the Board.

He will be expected to act as liaison architect for hospital design consultants to firms of Private Architects engaged for major schemes, to organise with Medical and Engineering colleagues, and if necessary the Region's Architectural and Engineering Consultants, the systematic check-up of each capital project after completion; to assess the efficiency of design and in use, and to promulgate the lessons learned.

Applicants should hold the Final Examination Certificate of the Royal Institute of British Architects, and should be particularly well experienced in the design of major building projects, control of staff and contract administration.

Applications to Secretary of the Board, Temple of Peace, Cathays Park, Cardiff, WITHIN 14 DAYS of the appearance of advertisement, stating age, present position and salary, previous experience, and the names of two referees.

LANCASHIRE
COUNTY COUNCIL.

Applications are invited from suitably qualified persons for appointment as Assistant Building Surveyors—commencing salary within the scale £785-£1,070.

Applicants should have had a wide experience in dealing with the maintenance of all classes of building, Specification and Quantities for the obtaining of Tenders, and must be capable of preparing drawings in connection with essential repairs and minor improvements.

Application forms obtainable from the County Architect, P.O. Box 26, County Hall, Preston, to be returned as soon as possible, quoting reference A/B.

BRAINTREE
RURAL DISTRICT COUNCIL.

(1) TEMPORARY ENGINEERING ASSISTANT.
(2) TEMPORARY ARCHITECTURAL ASSISTANT.

The Council invite applications for the above posts at a salary in accordance with the Special Grade (£785 to £1,070 p.a.).

Applicants for post (1) must have passed the final examination of the Institution of Municipal Engineers or equivalent, and be experienced in the preparation of sewerage schemes. For post (2) they must have passed the final examination of the Royal Institute of British Architects or equivalent and be experienced in the preparation of housing schemes.

Applications, stating post applied for, age, experience, qualifications and two references, should reach me by the 1st JUNE, 1960. Canvassing disqualifies.

V. YOUNG,
Clerk of the Council.

St. Peter's-close,
Bocking,
Braintree,
Essex.

BRIGHTON
COUNTY BOROUGH.

ASSISTANT ARCHITECT.

Applications are invited for the following appointments in the Borough Surveyor's Department:—

(a) ASSISTANT ARCHITECT, Grade A.P.T. IV (£1,065-£1,220).

(b) ASSISTANT ARCHITECT, Grade A.P.T. III (£880-£1,065).

(c) ASSISTANT ARCHITECT, Special Grade (£785-£1,070).

Applicants must have passed the R.I.B.A. final examination or the special final examination.

(d) ASSISTANT ARCHITECT, Grade A.P.T. II (£765-£880).

(e) ASSISTANT ARCHITECT, Grade A.P.T. I (£610-£765).

Applicants must have passed the Intermediate Examination of the R.I.B.A.

In each case the commencing salary will be adjusted to suit the experience and qualifications of the successful candidate.

Application forms may be obtained from D. J. Howe, M.I.C.E., M.I.Mun.E., Borough Surveyor, Engineer and Planning Officer, and must be returned to him at 26-30 King's-road, Brighton, by NOON on the 10th JUNE, 1960.

W. O. DODD,
Town Clerk.

WIDNES
BOROUGH.

ENGINEER AND SURVEYOR'S DEPARTMENT.

GENERAL FOREMAN Required in the Building Section with a sound knowledge of modern building techniques (including bonus incentive schemes) and experienced in house and flat construction, able to work to a programme and capable of carrying out contracts to the value of £250,000.

Wages 60 per cent. above craftsmen's rate. Pension and sick pay scheme. Forty-seven-hour week.

Particulars of age, experience and qualifications to Building Superintendent, Building Department, Milton-road Widnes.

CAMBERWELL
METROPOLITAN BOROUGH.

CLERKS OF WORKS.

CLERKS OF WORKS Required in Housing Department to supervise conversion of properties. Salary £770 per annum. No age limit. Work expected to last until March, 1961. It is essential that applicants have a car. A car allowance will be paid. Write giving full particulars of experience, etc., to Town Clerk, Town Hall, Camberwell, S.E.5.

RHYMNEY
URBAN DISTRICT COUNCIL.

DEPUTY ENGINEER AND SURVEYOR.

Applications are invited from persons who have passed the Intermediate Examination of an appropriate professional body.

Salary A.P.T. II (£765 to £880), commencing salary according to qualifications and experience. Housing accommodation available. Further details from The Clerk, Council Offices, Rhymney, Mon. Closing date 7th JUNE, 1960.

NEWPORT
COUNTY BOROUGH.

Applications are invited for following established posts:

(i) SENIOR ASSISTANT ARCHITECT, Grade A.P.T. IV (£1,065-£1,220 p.a.).

(ii) ASSISTANT ARCHITECTS, Special Grade (£785-£1,070 p.a.).

(iii) ARCHITECTURAL ASSISTANTS, Grade A.P.T. I (£610-£765 p.a.).

(iv) ASSISTANT QUANTITY SURVEYOR, Grade A.P.T. IV (£1,065-£1,220 p.a.).

(v) ASSISTANT HEATING ENGINEER, Grade A.P.T. III (£880-£1,065 p.a.).

Salary for each post to commence at any point in range according to ability.

Minimum qualifications required: for posts (i) and (ii) Final R.I.B.A., (iii) intermediate R.I.B.A., (iv) Final R.I.C.S., and (v) Intermediate of appropriate professional examination.

Housing accommodation will be made available according to circumstances for posts (i), (ii), (iv) and (v).

The Authority has an extensive programme of large and varied works which offers exceptional opportunities to gain experience.

Application forms from Borough Architect, Civic Centre, Newport, Mon., returnable by WEDNESDAY, 1st JUNE, 1960.

KENT
COUNTY COUNCIL.

Applications are invited for appointment as ASSISTANT ARCHITECT in the office of the County Architect to assist with the Council's large and expanding building programme. Candidates must be Associates of the Royal Institute of British Architects and should possess design ability and also have experience in the control of building projects.

Salary on the scale £1,220-£1,375 a year. Commencing salary according to ability and experience. N.J.C. Conditions of Service. Further details and application forms from County Architect, Springfield, Maidstone. Closing date 8th JUNE, 1960.

ROMFORD
BOROUGH.

Applications are invited for a post of PRINCIPAL ASSISTANT ARCHITECT within the salary range £1,250 to £1,405 per annum. Applicants must be fully qualified and must have at least three years' experience subsequent to qualification. Interesting and varied work available. In appropriate cases housing accommodation will be provided and removal expenses paid. "Essential User" car allowance. Five-day week.

Full particulars and conditions can be obtained from the Town Clerk, Town Hall, Romford, to whom applications for the appointment are to be sent by the 6th JUNE.

HAMPSHIRE
COUNTY COUNCIL.

HEAD OF MAINTENANCE SECTION, Scale E (£1,655-£1,885), for new pensionable appointment in County Architect's Department at Winchester. Commencing salary according to qualifications and experience. Candidates must be Corporate Members of the Royal Institution of Chartered Surveyors or other appropriate professional body. The successful candidate will be required to take charge of the Building Maintenance Section of the County Architect's Department and must have had considerable experience of all aspects of building and maintenance work.

Separation allowance and assistance with removal expenses in approved cases.

Applications, with age, qualifications, experience and names of two referees to Clerk of the County Council, The Castle, Winchester, by 6th JUNE.

Consult

COMPENTRAD LIMITED

31, Throgmorton Street, London, E.C.2

MONARCH 1257

FOR ALL
YOUR DIAMOND TOOL
PROBLEMS FOR STONE CUTTING
(NATURAL & PRECAST)

CIRCULAR SAWS
FRAME SAWS
BLADES
DRILLS
ETC.

BRITISH RAILWAYS

LONDON MIDLAND REGION

QUANTITY SURVEYORS

REQUIRED

Applications are invited for a number of vacancies in the office of the Regional Architect which is shortly moving to new accommodation near Euston Station, London.

In connection with the Modernisation Programme the Quantity Surveying Department is to be strengthened and its activities will embrace the reconstruction of stations and ancillary buildings, new offices and similar projects of an architectural character.

Five-day week; residential and other travel concessions; Superannuation Scheme.

QUANTITY SURVEYORS required for Taking-off and Settlement of Final Accounts. Applicants required to be Final Standard R.I.C.S. Salary Range £990-£1,034.

ASSISTANT QUANTITY SURVEYORS required to carry out duties as above but under supervision. Applicants required to be Intermediate Standard R.I.C.S. Salary Range £875-£948.

Vacancies also exist for Workers-up within the range £254 at age 17 (trainees) to £800. Starting salary according to age and experience. Interviews now for commencement at end of school year. Candidates should possess G.C.E. at 'O' level with five subjects including English and Mathematics.

Apply in writing quoting reference 107 (B.) stating qualifications, age, experience and salary required to :—

W. R. Headley, A.R.I.B.A., A.A.Dipl.,
Regional Architect,
Chief Civil Engineer's Office,
British Railways, London Midland Region,
5a Euston Grove, London, N.W.1.

THE MIDDLESEX HOSPITAL, W.1.

Applications invited for post of ASSISTANT BUILDING SUPERVISOR. Candidates must have served full apprenticeship, followed by experience as craftsman in an appropriate trade with some years' experience as general foreman carrying out building contracts. Also desirable to have Ordinary National Certificate or comparable qualifications. Duties include planning and supervising building maintenance work, preparing contracts and specifications. Salary £640 x £20(5)—£740 plus London Weighting. Applications in writing to Secretary-Superintendent by 7th JUNE.

OLDHAM
COUNTY BOROUGH.

BOROUGH ENGINEER AND SURVEYOR'S DEPARTMENT.
APPOINTMENT OF SURVEYING ASSISTANT.

Applications are invited for the appointment of SURVEYING ASSISTANT at a salary within Grade Miscellaneous V (£650-£715), commencing salary according to experience.

Applicants should be competent Surveyors and will be engaged on engineering and building works in the Engineer's Drawing Office. National Conditions of Service and Local Government Superannuation Acts will apply.

Applications, stating age, qualifications, experience and accompanied by copies of two recent testimonials, or the names of two persons to whom reference may be made, should reach me not later than WEDNESDAY, the 25th MAY, 1960, in envelopes endorsed "Surveying Assistant."

A. L. HOBSON,
Borough Engineer and Surveyor.
75 Union-street,
Oldham.

EAST SUSSEX
COUNTY COUNCIL.

Applications are invited for the appointment of an ASSISTANT ARCHITECT, Special Grade, £785-£1,070, on the permanent staff of the Architect's Department.

Applications, giving the names of two persons to whom reference may be made to be sent to the County Architect, County Hall, Lewes, by the 8th JUNE, 1960.

NUNEATON
BOROUGH.

ARCHITECTURAL ASSISTANT.

Applications are invited from suitably qualified persons for this position. Salary Special Grade, £785-£1,070.

The post is suitable for a recently qualified person and will provide scope and opportunity for a varied experience as the Borough Council have much architectural work in hand.

Further details and forms of application, which must be returned not later than the 4th JUNE, 1960, may be obtained from me.

A. A. CRABTREE,
Town Clerk.
Council House,
Nuneaton.
May, 1960.

DAGENHAM
BOROUGH.

CLERK OF WORKS.

Required for approximately 2 years to supervise the erection of 190 dwellings, 4 shops and 47 garages at Canvey Island, Essex. Salary £850 per annum. Candidates with experience of supervising works of this nature should apply to the Borough Engineer and Surveyor for form of application and further particulars.

Closing date, 4th JUNE, 1960.

KEITH LAUDER,
Town Clerk.
Civic Centre,
Dagenham.

SOUTHAMPTON
COUNTY BOROUGH.

BOROUGH ARCHITECT'S DEPARTMENT.

Applications are invited for the following permanent posts:—

(a) DISTRICT BUILDING INSPECTOR, A.P.T. Grade II (£765-£880). Applicants should be experienced and hold a recognised Building Inspector's Certificate.

The post requires the use of a car for which an Essential User Car Allowance is payable.

(b) ARCHITECTURAL ASSISTANT, Grade A.P.T. I (£610-£765).

Housing accommodation available in approved cases and approved removal expenses reimbursed up to a maximum of £50.

Commencing salary within grade according to experience and qualifications.

Application forms from the Borough Architect, Civic Centre, Southampton, returnable by 6th JUNE, 1960.

Amended Advertisement

LEYTON
BOROUGH.

Municipal Borough in Essex.
Population approx. 100,000.
BOROUGH ENGINEER'S DEPARTMENT.
APPOINTMENT OF WORKS MANAGER.

Applications are invited for the appointment of WORKS MANAGER at a salary within Grade A.P.T. V—£1,220-£1,375 per annum, plus London Weighting—£45 per annum.

Applicants must have had considerable experience in the building industry including bonus and incentive schemes. The person appointed will be primarily responsible for the organisation, direction and expansion of the Direct Labour Building Section of the Borough Engineer's Department. The duties will include the supervision of all works carried out by direct labour.

Essential user car allowance will be payable and favourable consideration will be given to the provision of housing accommodation.

Particulars and conditions of the appointment may be obtained on application to the Borough Engineer, Town Hall, Leyton, London, E.10, by whom completed applications must be received not later than TUESDAY, 14th JUNE, 1960.

Applicants replying to the previous advertisement will be considered and need not re-apply.

D. J. OSBORNE,
Town Clerk.
Town Hall,
Leyton,
London, E.10.
13th May, 1960.

NORTH EAST
METROPOLITAN REGIONAL HOSPITAL BOARD.

40 Eastbourne-terrace, London, W.2.

HOSPITAL PLANNING AND DEVELOPMENT

The Board are substantially increasing their Professional and Technical staff to deal with the rapidly expanding Hospital Building Programme, and

ARCHITECTS
and
QUANTITY SURVEYORS

are invited to apply for the undermentioned posts, which offer exceptional opportunities for gaining experience in the field of Hospital Planning and Development. Previous hospital experience *is not essential*.

ARCHITECTS

SENIOR ASSISTANTS: Salary £1,350-£1,650. Applicants must be Registered Architects having passed the requisite examinations.

ASSISTANTS: Salary £945-£1,360. Applicants must be Registered Architects having passed the requisite examinations.

ARCHITECTURAL ASSISTANTS: Salary £645-£940. Applicants must have passed the Intermediate examination of the Royal Institute of British Architects, or an examination giving exemption therefrom.

QUANTITY SURVEYORS

CHIEF QUANTITY SURVEYOR—PRINCIPAL ASSISTANT SCALE I: Salary from £1,815-£2,185.

ASSISTANTS: Salary £945-£1,360.

Applicants should be Corporate Members of Royal Institution of Chartered Surveyors (sub. div. III Quantities) or in certain circumstances Associates of Institute of Quantity Surveyors.

SURVEYING ASSISTANTS: Salary £645-£940. Applicants must have passed the Intermediate examination of the Royal Institution of Chartered Surveyors.

The posts are pensionable, with good prospects of promotion.

Applications giving age, present salary, qualifications and experience (with dates) together with the names of two referees, should be sent to The Secretary, North East Metropolitan Regional Hospital Board, 40 Eastbourne-terrace, W.2, within 14 days.

ESSEX
COUNTY COUNCIL.

Two ASSISTANT BUILDING SURVEYORS, A.P.T.D. II, commencing salaries according to qualifications and experience but not exceeding £880.

These are additional appointments and one of the successful applicants will be required to work from an office in the North-East Essex Division at Colchester and the other in the South Essex Division at Upminster.

Work includes reports, estimates, specifications and supervising repair and maintenance of buildings. R.I.B.A. Building Surveyors Diploma an advantage.

Application forms from County Architect, County Hall, Chelmsford, to be returned with copies of three testimonials by 3rd JUNE, 1960.

Canvassing disqualifies.

NOTTINGHAM CITY
EDUCATION COMMITTEE.

COLLEGE OF ART AND CRAFTS.
Principal: Robert Lyon, D.A. Glas.), F.R.S.A.
Lecturer-in-Charge: D. S. Kilner, Dipl.T.P.(Leeds), A.R.I.B.A. M.T.P.I.

Applications are invited for the full-time post of STUDIO INSTRUCTOR in the Department of Town and Country Planning, which is recognised for exemption from the Final Examination of the Town Planning Institute. Duties to commence as early as possible. Candidates should be corporate members of the Town Planning Institute and the Royal Institute of British Architects.

Salary: Burnham Report 1959, Grade B, i.e. £700 x £27 10s.—£1,150 (men), and £630 x £22—£920, with equal pay increments (women), together with allowances, if appropriate, in respect of graduation, training, previous full-time teaching, approved professional experience, and/or war service.

Further particulars and application forms can be obtained from the Principal, College of Art and Crafts, Waverley-street, Nottingham, to whom the latter should be returned WITHIN 14 DAYS of this advertisement.

W. G. JACKSON,
Director of Education.
Education Office,
Exchange Buildings,
Nottingham.

BLETCHLEY
URBAN DISTRICT COUNCIL.

APPOINTMENT OF ARCHITECTURAL ASSISTANT.

The Council is about to embark on the second stage of Town Development which will require the provision of some 1,500 dwellings of all kinds, Shops, Factories and Offices, as well as other associated buildings.

Applications are invited for an ARCHITECTURAL ASSISTANT at a salary within Grade II of the A.P.T. Division of the National Scale of Salaries, and subject to one month's notice on either side and the Southern Provincial Council Scheme of Conditions of Service.

Applicants should have had a sound training in architectural work and have reached the Intermediate R.I.B.A. Standard.

Housing accommodation will be provided and if the successful candidate uses his own car in connection with his duties, an allowance will be made on the Casual Users Scale, for a car not exceeding 1,014 c.c.

Applications stating details of age, qualifications, experience, present and past appointments, with the names and addresses of two persons to whom reference may be made, should be delivered to the undersigned by NOON on WEDNESDAY, 1st JUNE, 1960.

J. F. SMITHIE, M.I.Mun.E.,
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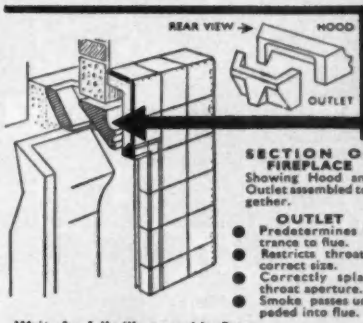

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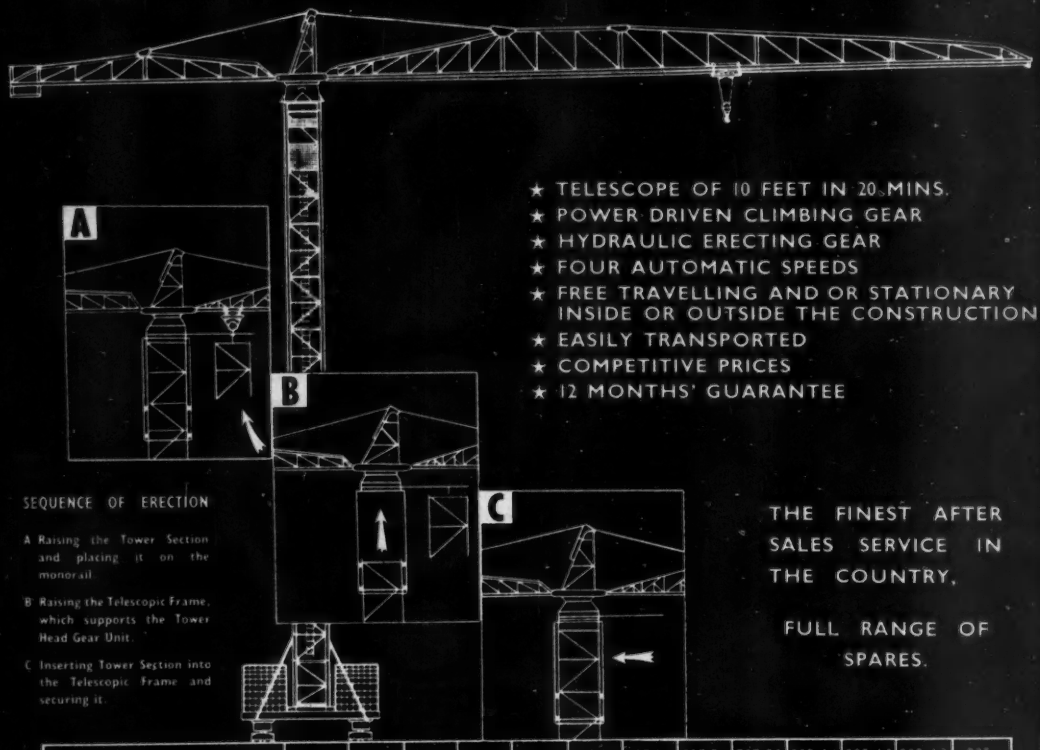

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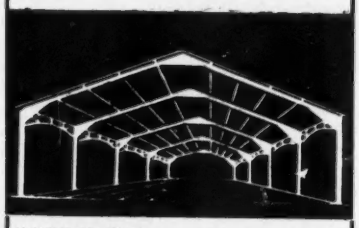
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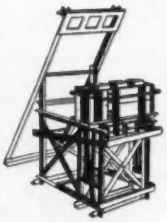
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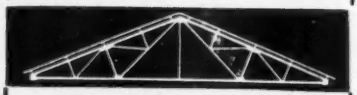
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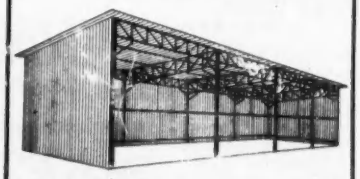
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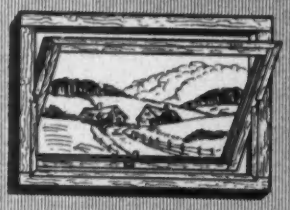

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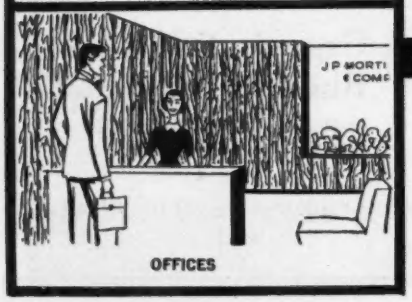

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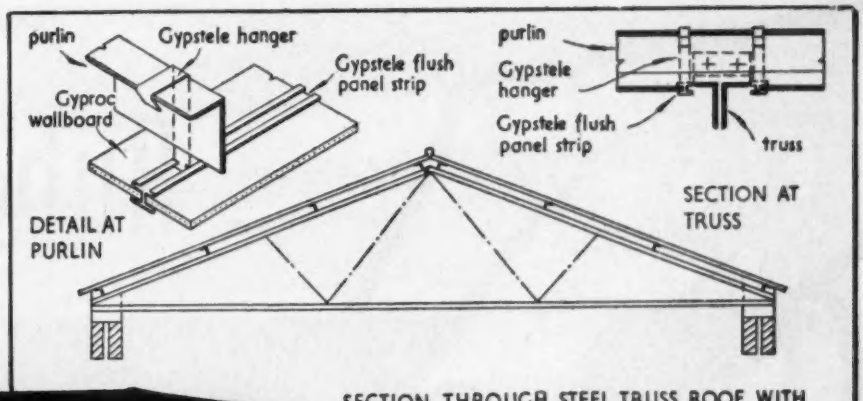

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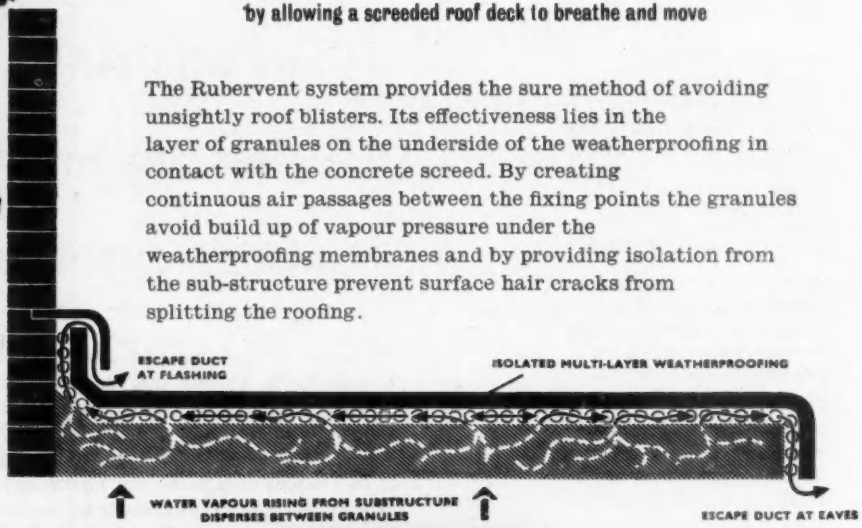

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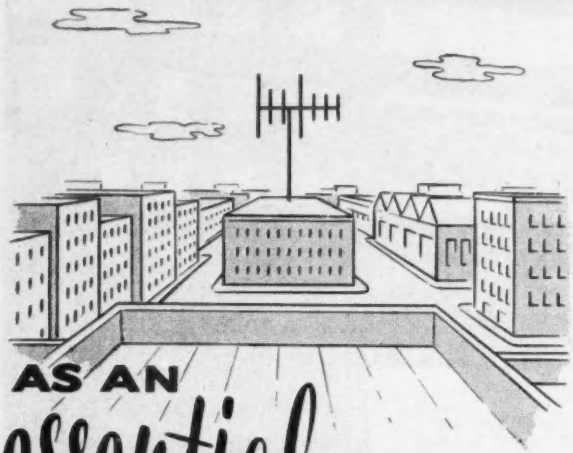

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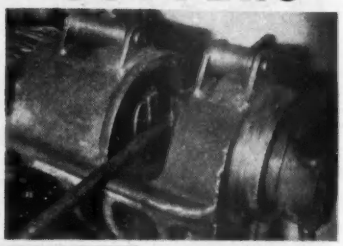

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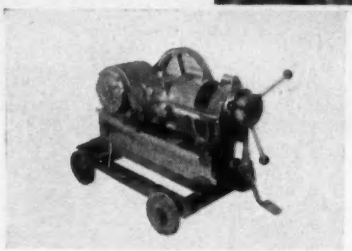

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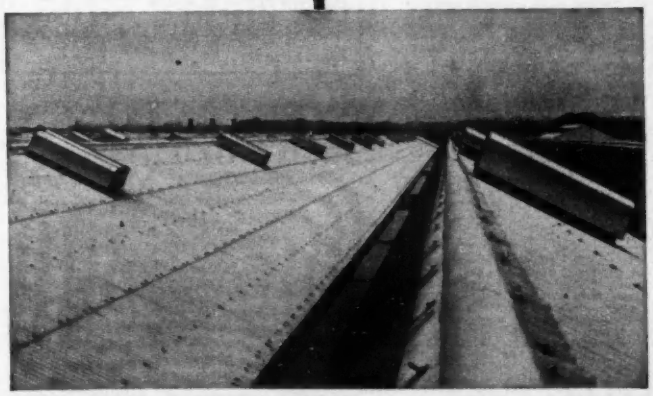

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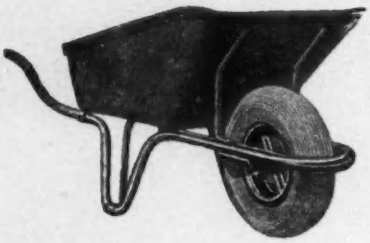

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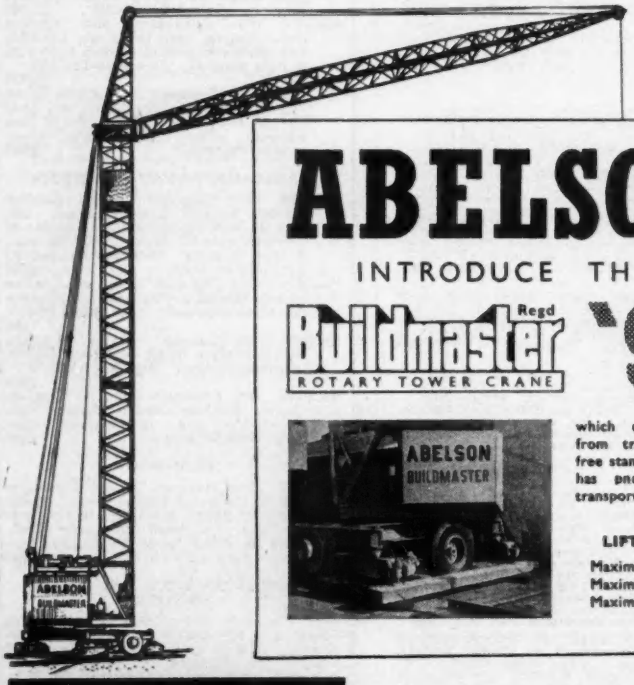

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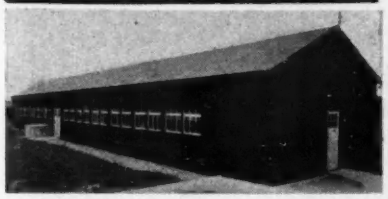

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ARCHITECTURAL ASSISTANTS and GENERAL DETAIL DRAUGHTSMEN Required—working drawings bungalows and houses; site layouts, surveys, etc., in connection with estate development; good salaries; bonus; non-contributory pension and insurance.—TRUSTEEL CORPORATION (UNIVERSAL) Ltd., Lime Lodge, Heath-road, Oxhey, Watford, Herts. (Tel. Watford 26256).

ARCHITECTURAL ASSISTANT. Intermediate standard Required in West End office. Building surveys, working drawings and details for domestic, hotel and other varied projects.—Apply, with details of experience and salary required, etc., to Box 3148, "The Builder."

INTERESTING OPPORTUNITY for ARCHITECTURAL ASSISTANT to design and execute jobs from sketch plans to completion, directly under Principal, small jobs, but requiring high standard of contemporary design. Inter. standard, with some office experience, or newly qualified by full-time course. Good salary and prospects. West End office (approximately 10 staff), congenial conditions and some travelling.—Apply, Box 3149, or telephone HYD 1030 for appointment.

ASSISTANTS, Inter. and Final grades, Required for progressive work Belfast office. Experience on schools and laboratories an advantage but not essential.—Apply in confidence to Box 3175, "The Builder."

SENIOR and Intermediate standard ARCHITECTURAL ASSISTANTS Required for London and Weston-super-Mare.—Write full particulars including salary required. REGINALD H. GALLANNAUGH & PARTNERS, 54 Queen Anne-street, London, W.1.

HIGHER NATIONAL CERTIFICATE CANDIDATES and qualified men Required by Architects responsible for large-scale developments in London and South Wales. The jobs offered have considerable scope for good draughtsmen and technologists. —C. H. ELSOM & PARTNERS, 10 Lower Grosvenor-place, S.W.1. VIC 4304.

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Have openings for

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of Final and Intermediate R.I.B.A. standard at their new factory at Moreton, Wirral, Cheshire, for work on a varied and interesting programme. Experience in industrial and commercial building design desirable. Five day week, attractive working conditions and amenities, pension scheme. Salary according to qualifications and experience; holiday arrangements honoured. Applications stating age, qualifications and salary required should be addressed to:—

Chief Architect,
Cadbury Brothers Ltd.,
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ARCHITECTURAL ASSISTANT of Intermediate standard Required by rapidly expanding Building and Development Company in South London. Permanent and pensionable position, with excellent opportunities.—Please reply giving age, full details and salary required, to Chief Architect, Box 3180, "The Builder."

R. J. BESWICK & SON, F.R.I.B.A., 10 Victoria-road, Swindon, Wiltshire, have vacancies for ARCHITECTURAL ASSISTANTS, about Intermediate standard or over.—Apply in writing or telephone Swindon 2857.

ARCHITECTURAL ASSISTANT, Intermediate standard, Required in Chartered Architect's office situated in West Midland town. Five-day week. Please apply, stating age, training, experience and salary required.—Box 3202, "The Builder."

ARCHITECTURAL ASSISTANTS

INTERMEDIATE OR FINALS STANDARD

required in

Chief Architect's Office

Interesting and varied work. Five-day week, bonus, etc. Appointments permanent and superannuable.

Write (in confidence) stating age, experience and salary required to Personnel Manager,

WATES LIMITED,
London Road, Norbury, S.W.16

DRAUGHTSMEN

JUNIOR DRAUGHTSMAN Required for Mayfair office of Property Development Company.—Apply, stating age, experience, and salary required, to Box 3133, "The Builder."

SENIOR and JUNIOR DRAUGHTSMEN and **ARCHITECTURAL ASSISTANTS** Required in the London head office of a multiple retail organisation. The work involves travelling, surveys, ¼ in. and ½ in. working details. A good standard of draughtsmanship is essential, with some perspective experience desirable for the senior posts.—Please reply to Box 981, "The Builder," stating age, experience and salary required.

BUILDING DRAUGHTSMAN, aged 21 to 30, with at least 3 years' Drawing Office experience, preferably of building projects of an industrial nature. Minimum qualification O.N.C. (Building) or equivalent. Up to 25 years of age salary will be as per A.E.S.D. scale, over 25 according to qualifications and experience. This appointment is permanent and pensionable and a 5-day, 40-hour week applies. —Please write, stating age, qualifications and experience, to SP.A Dept., MICHELIN TYRE CO., Ltd., Stoke-on-Trent, quoting Reference B/527/TB.

JUNIOR CIVIL ENGINEERING DRAUGHTSMAN with Surveying experience Required by HARRY BROMPTON & PARTNERS, Consulting Engineers, 7 Hobart-place, Westminster, S.W.1. Salary according to experience, staff pension scheme and holiday arrangements honoured.—Apply in writing stating age and full details of experience.

DRAWING OFFICE STAFF

Additional posts are being created in our Drawing Office to keep pace with this Company's policy of expansion and development of new products. The posts will interest those who wish to gain valuable knowledge and experience in the specialised field of Timber Engineering of which the Building Industry is making ever increasing usage.

The necessary qualifications are drafting ability, aptitude and willingness to learn.

All applications will be acknowledged and considered without delay, and should be addressed to

The Secretary,
H. Newnum Sons & Co. Limited,
GAINSBOROUGH,
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CIVIL ENGINEERING DESIGN DRAUGHTSMEN

required by

BRITISH NYLON SPINNERS Ltd.

Applications are invited from men in the age range 26-45 with several years' experience of design work. In addition to experience candidates must possess at least an O.N.C. or equivalent qualification but a Higher National Certificate is preferred. Good starting salaries are offered and there is ample scope for advancement on a basis of merit.

Married applicants can rent unfurnished houses or flats in the area and assistance will be given with removal expenses.

A contributory pension fund and a profit-sharing scheme are in operation and general working conditions and amenities are of a very high standard.

Please apply, in writing, giving full particulars to:

The Personnel Manager,
BRITISH NYLON SPINNERS, Ltd.,
Pontypool, Mon.

COURTNEY, POPE LTD.,
have vacancies for qualified
SHOPFITTING
DESIGNER/DRAUGHTSMEN

Salary according to ability. Write first, giving full particulars, to the Managing Director.

METAL WINDOWS. Old-established Surrey firm Require fully trained Metal Window DRAUGHTSMAN able to take full control of jobs and produce shop drawings. State age, experience and salary. —Box 3147, "The Builder."

REINFORCED CONCRETE DETAILER Required, age 25-30 years. Five-day week non-contributory pension scheme and bonus in operation.—Apply by letter giving full particulars, to INDENTED BAR AND CONCRETE ENGINEERING CO., Ltd., 171 Victoria-street, London, S.W.1.

SHOPFITTING DRAUGHTSMAN

required for Established firm in Cardiff. Experienced in preparation of coloured perspective drawing and planning of shop interiors for all types of retail businesses. Salary £1,000 per annum. Please forward full details including past experience with application to:

HYDE & JENKS LTD.,
Shopfitters,
Vere Street, Cardiff.

DRAUGHTSMAN

required for London Office, experience in artificial stone an advantage. Non-contributory Pension Scheme. 5-day week. Holiday arrangements respected. Write, stating age, experience and salary required, to:

Messrs. J. A. King & Company Ltd.,
of
181, Queen Victoria Street,
London, E.C.4.

QUANTITY SURVEYORS

ASSISTANT QUANTITY SURVEYOR & ESTIMATOR Required for S.E. London contractors.—Write, stating age, experience, and salary required, to J. A. PROCTOR, Ltd., 163 Burrage-road, Plumstead, S.E.18. Telephone: Woolwich 2787.

CHARTERED QUANTITY SURVEYORS (age 26-32) Required to specialise in the Technical Management of a large specialist painting contractors organisation. Vacancies at Bristol, Exeter, Southampton and London. These appointments lead to directorship for successful applicants, and the commencing salary is £1,250 per annum, plus a minimum of 5 per cent. of profits.—Apply, in writing, to the Chairman, the H.A.T. GROUP, 3/5 St. Pauls-road, Bristol 8, quoting Ref. C.S.

QUANTITY SURVEYOR Required by Chartered Architect and Quantity Surveyor, to take charge of a small department. Should be experienced in preparing bills of quantities and settling final accounts.—Write, stating age, qualifications, experience, and salary required, to PYLE & SAINT, Thomas-street House, Cirencester, Gloucestershire.

CHARTERED QUANTITY SURVEYOR Required immediately by Architectural Department of large Estate developers in the Southampton area. Experience on Contracts over £50,000 essential. Age preferably between 35-40. Permanent post, pension, etc.—Apply in confidence by writing stating age, experience and salary required, Chief Architect, Box 3140, "The Builder."

ASSISTANT QUANTITY SURVEYOR Required by London firm of Quantity Surveyors having varied practice.—Please reply to Box 992, "The Builder."

QUANTITY SURVEYOR, with taking-off experience, Required for interesting and varied work in quantities department of busy architect's office. Superannuation scheme available, holiday arrangements honoured.—Please forward details of experience, date available and salary required, in confidence, to T. H. JOHNSON & SON, F/F.R.I.B.A., Architects, 6, South-parade, Doncaster.

SENIOR ASSISTANT, preferably chartered, Required by West End firm of Quantity Surveyors. Salary about £1,250 per annum.—Reply, stating age and experience, to Box 2886, "The Builder."

ASSISTANT QUANTITY SURVEYOR Required. Capable of taking-off and dealing with accounts. Large Midlands office. 5-day week. Pension scheme. —Reply, stating age, experience and salary required, Box 2876, "The Builder."

AUSTRALIA. Vacancies for TAKERS OFF: see advert under heading "Takers-Off."

ASSISTANT QUANTITY SURVEYOR Required. Sound knowledge of construction essential. Varied and interesting work.—Particulars and salary required, to KENNETH G. BARBER, Chartered Quantity Surveyor, 16 Pampisford-road, Purley, Surrey.

QUANTITY SURVEYOR Required by Building Contractors in Kilburn, N.W.6. Able to prepare quantities from drawings and work without supervision. The Company is engaged in large and varied projects all over the country. Pension scheme.—Write, giving details of experience and salary required, to Box 3093, "The Builder."

QUANTITY SURVEYORS Required for Taking-off and for measuring and settling final accounts.—Apply stating experience, qualifications, age and salary required to A. W. WEST, F.R.I.C.S., Chartered Quantity Surveyor, 46A Coney-street, York.

EXPERIENCED QUANTITY SURVEYOR (A.R.I.C.S. preferred) Required for interesting and varied work in expanding Quantity Surveying section of Architects' office, either for very large site contract near Leeds, or Bradford office. Superannuation scheme. Please forward details of age, experience and salary required, in confidence, to CHIPPINDALE & EDMONDSON, Chartered Architects, Empire House, Piccadilly, Bradford 1.

JUNIOR QUANTITY SURVEYOR for Consulting Civil Engineers. Progressive position.—Apply in writing to C. H. DOBBIE AND PARTNERS, 58 Victoria-street, S.W.1.

SENIOR QUANTITY SURVEYOR Required immediately by progressive Building and Civil Engineering Company to operate from Head Office in Huddersfield. Responsible to the Chief Surveyor. Must have Contractors' experience with particular experience on Final Accounts, Contractual Claims, etc., pension scheme. Give full details and salary required to GREGORY CONSTRUCTION (YORKSHIRE), Ltd., G.P.O. Box No. B.35, Wellesley House, Botham Hall-road, Longwood, Huddersfield.

ASSISTANT QUANTITY SURVEYOR (Q.S. Intermediate standard or equivalent) Required for Building and Civil Engineering Contractors.—Apply, giving details of age, experience and salary required, to CONTRACTORS (MANCHESTER) Ltd., Gregstreet, Reddish, Stockport.

QUANTITY SURVEYOR Required by Doncaster firm of Building and Civil Engineering Contractors. Applicants, between the ages of 30 and 45, must be experienced in measuring up for interim valuations and preparation of final accounts and claims, etc. House provided, if required.—Apply giving details of salary and experience to Box 3177, "The Builder."

JUNIOR QUANTITY SURVEYOR Required for Building and Civil Engineering Contractor in the Preston area. Good prospects for suitable applicant.—Write in first instance giving details of experience and salary required to Box 3166, "The Builder."

ASSISTANT QUANTITY SURVEYOR (R.I.C.S. Final standard), age 25-35, Required by GLEEDS, 106 Regent-street, W.1.—Please write giving details of experience and salary required.

ENTHUSIASTIC, young CHARTERED QUANTITY SURVEYOR needed in London office near Victoria. Candidates for this year's Final considered. L.Vs., 5-day week and pension scheme. Salary £1,000 to £1,400 according to ability.—Box 3206, "The Builder."

SITE QUANTITY SURVEYOR for long-term contract at Port Talbot, Glam., Required by firm of Chartered Quantity Surveyors. Rented accommodation available.—Apply stating age, experience and salary required to Box 3232, "The Builder."

SENIOR ASSISTANT Required for London firm of Chartered Quantity Surveyors. Salary up to £1,350 per annum according to age and experience. L.Vs., five-day week. Overtime paid and pension scheme.—Please apply to Box 3233, "The Builder."

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QUANTITY SURVEYORS

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for specialised duties at Head Office in Mill Hill. Excellent prospects for men of ability looking for experience and advancement in progressive organisation. The Company has an established policy of employment and security, including Pension Scheme.

Apply in writing stating age and experience to the Personnel Manager (Q.S.A.B.) John Laing and Son Limited, London, N.W.7.

GRIGGS & SON LTD.

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QUANTITY SURVEYORS

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ASSISTANT QUANTITY SURVEYORS

for site measuring, interim certificates and preparation of final accounts. Competent to work on own initiative.

Good prospects. Pension Scheme. Remuneration by arrangement.

Write, giving full details of past experience and present employment which will be treated in strict confidence, to:

PERSONNEL MANAGER,
GRIGGS & SON LTD.,
56, VICTORIA STREET,
LONDON, S.W.1.

TROLLOPE & COLLS LIMITED

require the services of

EXPERIENCED QUANTITY SURVEYORS

for large building contracts principally in London area. Must have sound knowledge of site measuring, valuations, final accounts preparation etc. Apply stating age, experience and salary required to:—

The Assistant Secretary,
TROLLOPE & COLLS LTD.,
1, Noble Street, Gresham Street,
London, E.C.2.

MARRIOTTS of the MIDLANDS

Experienced Quantity Surveyor required, aged 25—40 years, for contracts up to £500,000. Successful applicant would operate from Head Office. Excellent salary, plus bonus; also there is a non-contributory pension scheme in operation.

State experience, with written application, to:—

Robert Marriott Limited,
Midland Works,
RUSHDEN, Northants.

SUPERVISING SURVEYOR

(Age 30/35)

Alterations and Decorations (Small Works). Able to estimate and organise own contracts. Good salary and annual bonus on results. Free Pension Scheme.

Box No. 2446, "The Builder"

SITE QUANTITY SURVEYOR for long-term contract at Newport, Mon., Required by firm of Chartered Quantity Surveyors. Rented accommodation available.—Apply stating age, experience and salary required to Box 3234, "The Builder."

TAKER-OFF/MEASURING SURVEYOR Required by Chartered Quantity Surveyors for Site office North Kent. Housing accommodation available.—Please write stating age, experience and salary required to Box 3239, "The Builder."

ASSISTANT QUANTITY SURVEYOR Required in small but busy Chartered Quantity Surveyor's office in Croydon to help in the taking-off, preparation of Bills of Quantities, measurement on site and final accounts of interesting and varied work in London and elsewhere.—Reply for this permanent situation stating age, experience and salary commensurate with experience to Box 3215, "The Builder."

ASSISTANT QUANTITY SURVEYOR having sound experience Required by West End Chartered Quantity Surveyors to assume responsibility for medium-sized jobs and to assist on larger contracts. Thirty-five hours a week on varied work.—Write giving details of experience in own handwriting to Box 3243, "The Builder."

SURVEYORS

CHELMSFORD Building Surveyors Require CHIEF ASSISTANT SURVEYOR to assume responsibility of taking-off and to assist in site measuring, etc. Holiday obligations honoured. Write stating experience and salary required.—Box 3122, "The Builder."

EXPERIENCED SITE SURVEYOR Required by professional firm of Quantity Surveyors in Westminster area for final accounts. Good salary and prospects. Five-day week. Luncheon Vouchers.—Apply, Box 2979, "The Builder."

SURVEYOR/ESTIMATOR, experienced, Required for small works department of the London branch of FASSNIDGE SON & NORRIS.—Reply, stating age, experience and salary required, to Head Office, 222 High-street, Uxbridge, Middlesex.

PLASTERING Contractors in South West London Require experienced MEASURING SURVEYOR. Good salary and permanent pensionable position for suitable applicant.—Write, stating age, experience and present salary to Box 975, "The Builder."

MEASURING SURVEYOR/TAKER-OFF for London Quantity Surveyors, able to handle Interim Valuations, Deviations and Final Accounts. Must be willing to travel. Salary according to experience and ability.—Box 934, "The Builder."

BUILDING SURVEYOR, Intermediate standard with minimum of two years' good office experience. Required for Architect's and Surveyor's office. Used to Specifications and small Building Contracts, some drawing ability an advantage. Five-day week, luncheon vouchers. Salary according to experience up to £700 per annum.—Please reply to Box 918, "The Builder."

SURVEYOR Required by old-established Contractors specialising in Reinforced Concrete and finishings of Tiling Marble and Terrazzo. Experienced in taking-off and measuring for final account. (Salary in the region of £1,000.) The position is permanent and pensionable.—Write fully, experience and age to Box 952, "The Builder."

SITE SURVEYOR Required by Chartered Quantity Surveyors, for Civil Engineering Contract in Yorkshire. Probationary period in London office.—Write, stating age, experience and salary required, to Box 956, "The Builder."

BUILDERS' SURVEYOR, 25-30, with minimum five years' recent experience in builders' office, should be capable and willing to undertake contracts from £10,000 to £500,000. All applications treated confidentially and acknowledged.—Send full details and salary required to PEAK CONSTRUCTION (LIVERPOOL) Ltd., Knight-road, Strood, Kent.

SURVEYOR/OUTSIDE SUPERVISOR. Alterations, conversions and small works. Interview clients and preferably able to assist with estimating. Commencing salary about £800.—J. & H. OTTREY Ltd., Acre House, Victoria-street, Windsor.

JUNIOR SURVEYOR, age 20/26. Required on permanent staff of London contractors for measuring sub-contractors and to assist and train under Senior Surveyors.—Apply, Box 2923, "The Builder."

BUILDERS' SURVEYOR Required. Must have sound knowledge of site measuring, variations, interim valuations, final accounts, etc.; pension scheme.—Apply, in writing only, giving full particulars of age, experience, education and salary desired, to BRAZIER & SON, Ltd., 303-305 Portswood-road, Southampton.

BUILDING SURVEYOR TO FIRE LOSS ADJUSTERS. ELLIS & BUCKLE, Ltd., 44 Leadenhall-Street, London, E.C.3, Require two young (under 27) QUALIFIED SURVEYORS for their offices at Southampton and Bury St. Edmunds. The work entails dealing with people rather than documents, in negotiating settlement of claims for Underwriters concerning buildings, their contents and agricultural produce. Pension scheme. Medical scheme. Good prospects of rapid promotion.—Apply, to C. K. BUCKLE, Confidential, stating age, qualifications, school examinations and present salary.

SURVEYOR Required for B. and C.E. Contractors, S.E. Essex, to measure for interim valuations, agree sub-contractors and settle final accounts. Must be fully experienced. Pension scheme.—Full details and approximate salary required to Box 3029, "The Builder."

REQUIRED for important Building Site at King's Lynn, MEASURING SURVEYOR and JUNIOR for Abstracting and Billing. Reply giving full particulars stating age, salary, experience and qualifications.—Box 3070, "The Builder."

FRANKLIN & ANDREWS Require MEASURING SURVEYORS for Contracts in London and the Midlands.—Please reply in writing to 173/175 Fleet-street, London, E.C.4, giving full details of experience and salary required.

MEASURING SURVEYORS, Park-lane improvement, 2 years' Contract.—Apply FITZPATRICK & SON (CONTRACTORS), Ltd., 455 Old Ford-road, London, E.3. ADV 2991.

REQUIRED in Nottingham, MEASURING SURVEYOR for variations, certificates, etc.—Reply, stating age, experience, qualifications, and salary required, to Box 3112, "The Builder."

QUANTITY SURVEYORS

Senior Quantity Surveyors required for interesting work in Preston office. Applicants should be Chartered Quantity Surveyors and should have had experience on large contracts. Permanent appointments with attractive pension scheme and top level salaries.

Full particulars of qualifications and present appointment and salary to:

Arnold E. Towler, A.R.I.C.S.,
Manfield Chambers,
117 Fishergate, Preston, Lancs.

SENIOR QUANTITY SURVEYOR

REQUIRED

Capable of handling large contracts, measuring valuations & final accounts. Superannuation scheme in operation. House available if required. Applicants please state age, experience and other relevant details to

Wm. Eaves & Co. Ltd.
Vicarage Lane,
Blackpool.

THOMAS LOWE & SONS LTD.,
CURZON STREET,
BURTON UPON TRENT,

require

a

QUANTITY SURVEYOR

to handle an interesting variety of local contracts—must be experienced in dealing with remeasurement, variations and agreement of final accounts.

Age: 30–40

Assistance with housing

QUANTITY SURVEYOR

Senior Chartered Quantity Surveyor required by Consulting Engineers in connection with Major Building and Civil Engineering project. Applicants should have had varied experience in the profession. Preferred age over 30. Write stating brief particulars and salary required to

MERZ AND MCLELLAN,
Carliol House,
Newcastle-upon-Tyne, 1,
Quoting reference SAR.

SURVEYOR and ASSESSOR Required by a professional firm for negotiating settlement of small insurance claims on buildings and reporting thereupon. Negotiating experience essential. Car owner an advantage.—Write, giving details of age, experience and salary required, Box 3098, "The Builder."

MEASURING SURVEYORS Required on Contracts in the Blackpool, Preston and Warrington areas. These positions are permanent, progressive and superannuated.—Write, giving full details and salary required, to Housing Director, SIR LINDSAY PARKINSON & CO., Ltd., 6 Lambeth-road, London, S.E.1.

COST AND BONUS SURVEYORS Required for work in connection with the manufacture in factory and erection on sites of reinforced concrete. The positions will be permanent and pensionable.—Write giving details of age, experience and salary expected to The Planning Officer, PIERHEAD Ltd., Central Way, Feltham, Middlesex.

CHIEF SURVEYOR

Required by

National Building Contractors

Important executive appointment carrying a commencing salary of not less than £2,250 per annum, plus car, with superannuation and life assurance benefits. Applicants in 38-48 age group, should have successful records in comparable positions and be of executive calibre. Personality, drive and ability to organise and direct a large decentralised staff essential.

Box No. 3182 The Builder.

MEASURING SURVEYORS Required by Quantity Surveyors near London Bridge. Five-day week, pension and life assurance scheme.—State age, experience and salary to Box 3169, "The Builder."

BUILDER'S SURVEYOR Required for London office, capable of working on own initiative. Including preparation of Interim and Final Accounts, negotiation with sub-trades. Knowledge of estimating. H.N.C. or L.I.O.B. preferred. Salary in accordance with experience.—Write giving full details to: VIBRATED CONCRETE CONSTRUCTION CO., Ltd., 27 Ashley-place, S.W.1.

REQUIRED by large Building Contractors, experienced BUILDING SURVEYORS for Oxford area and for Cornwall. Superannuation scheme.—State age and experience to Box 3165, "The Builder."

BUILDING SURVEYOR Required in Architects' office. Duties will include preparation of building and site surveys; site supervision of smaller Contracts, preparation of specifications, and schedules for main and sub-contracts. Car owner preferred. Salary and allowances by arrangement.—Write: F. GREENWOOD, A.R.I.B.A., 18 The Green, Richmond, Surrey.

ENTERPRISING and ambitious SENIOR SITE SURVEYOR Required in Chartered Quantity Surveyors' office to take charge of important and interesting projects. Three weeks' annual holiday and luncheon vouchers. Pension scheme in operation in the office. A salary commensurate with experience will be paid to successful applicant.—Apply stating age, qualifications and salary required, to Box 942, "The Builder."

BUILDING SURVEYOR Required by Westminster Chartered Surveyors. Applicants should have had wide experience in all types of building surveying work, including maintenance of all kinds, dilapidations, pricing, conversions, structural surveys, etc. Varied, interesting and responsible work. Professional qualification an advantage. Salary £900 to £1,000 per annum.—Apply in writing stating age, experience, etc., to Box No. DA1867, c/o WHITES, Ltd., 72 Fleet-street, London, E.C.4.

SURVEYOR Required for small Contracts (up to £5,000 each). Taking-off quantities from drawings for variety of tenders; preparation of interim and final accounts; site measuring; sub-contractors, etc. Excellent opportunity for young Surveyor with sound technical knowledge.—Apply by letter only, stating age, experience, qualifications and salary required, to, Chief Surveyor, R. FIELDING & SON (BUILDERS) Ltd., Stanhope-road, Blackpool.

Y. J. LOVELL (SUSSEX) Ltd. Require capable BUILDERS' SURVEYOR in their contracting department at Horsham.—Please apply giving details of experience, age and salary required, to Bishopric, Horsham, Sussex.

COSTS/BONUS SURVEYORS Required for building contracts in the London area.—Write stating age, experience and salary required, to M. J. GLEESON (CONTRACTORS) Ltd., "Haredon House," London-road, North Cheam, Surrey.

SITE MEASURING SURVEYOR Required for interesting and varied work in Mechanical and Electrical fields.—Applications stating age, qualifications and salary required to FRANK N. FALKNER & PARTNERS, Chartered Quantity Surveyors, Windscale Works, Seascale, Cumberland, or telephone Seascale 462 for appointment.

CHARTERED Quantity Surveyors, Strand area, have vacancy for ASSISTANT with experience in quantity surveyor's office of junior taking-off and site measuring, etc. Also vacancy for JUNIOR WORKER-UP.—Reply stating age, education, practical experience, salary, etc., Box 3240, "The Builder."

QUANTITY SURVEYORS. Excellent opportunities exist for Surveyors with wide experience in the Building and Civil Engineering Industry, competent to work on own initiative, with well-known Company with Head Office in North West. Good prospects, bonus and entry into pension scheme after probationary period. All applications will be treated in confidence.—Reply in writing, giving brief details and stating salary required, to Box 3217, "The Builder."

HOLLOWAY BROTHERS (LONDON) LTD.

have a vacancy in their West End Division for an

ESTIMATING SURVEYOR

Applicants should be aged 28/35 and should preferably possess L.I.O.B., H.N.C., or similar qualification. Previous experience of pricing bills of quantities for contracts up to £50,000, preparation of interim valuations and final accounts.

HOLLOWAYS

Applicants should also be capable of taking-off quantities from specifications and drawings on smaller contracts.

Salary will be commensurate with qualifications and experience.

The Company has a pension scheme and offers canteen facilities. 5 day week and 3 weeks' annual holiday (existing holiday commitments will be honoured).

Applications giving details of age, qualifications and experience should quote present salary and should be addressed to:

THE SECRETARY
157, Millbank, London, S.W.1.

Experienced

BONUS AND COSTING SURVEYORS

Senior and Assistant required for Civil Engineering and Roadwork Contracts. Mobility essential. Write, stating age, previous experience and salary required to

Personnel Officer,
A. Monk & Company, Limited,
Padgate, Warrington, Lancs.

CUBITTS

MEASURING SURVEYORS

with experience of road-works required immediately for important works in the London area. Applications giving full personal details and experience should be sent to:—

Personnel Manager (B5475)
HOLLAND & HANNEN AND CUBITTS (GREAT BRITAIN) LTD.,
1, Queen Anne's Gate,
LONDON. S.W.1.

HARWELL

SITE MEASURING SURVEYOR. Long Term. Hostel if necessary, local transport, age, experience, salary required.

ALDERMASTON

SITE MEASURING SURVEYORS, senior and junior, use W.D. Schedule. Long term contract. Local transport, age, experience, salary required.

Apply: Secretary,
W. E. CHIVERS & SONS LTD.,
Head Office, Devizes, Wilts.

SURVEYOR/ESTIMATOR

The job: A post for a fully qualified executive who will assume full responsibility for all surveying and estimating functions.

The firm: A growing north-east building company with an assured future.

The man: He must be under 32 and yet be so talented as to be already sufficiently experienced to fill this extremely highly paid post. He must be intensely ambitious—the sort of man who wants eventually to pay surtax.

Write to
Box No. 3128, "The Builder"

BUILDING SURVEYOR Required in Chartered Surveyor's office in London, W.1. The work involves preparing Drawings and Specifications for small building and alteration works and general Surveying duties. Salary according to experience up to £1,000 p.a. and good prospects.—Box 3214, "The Builder."

MESSRS. OSWALD E. PARRATT Require experienced MEASURING SURVEYOR for their Harlow office. Five-day week, pension scheme, service agreement to suitable applicant. Housing accommodation may be available.—State age, experience and salary required to Adelaide House, London Bridge, E.C.4.

LESLIE & CO. LTD.
Contractors
require immediately

MEASURING SURVEYOR

for their London Head Office. Candidates should be experienced in valuations and site measuring up to Final Account. This post carries an attractive salary, good annual bonus and non-contributory pension scheme.

Apply in confidence to
The Chief Surveyor,
Peel Street,
Kensington,
London, W.8.

SENIOR SURVEYOR and CONTRACTS MANAGER

required by

London Building Contractors.

Apply stating experience age and salary required.

Box 3005 'THE BUILDER'

H. FAIRWEATHER & CO., LTD.
have several vacancies for
SENIOR AND ASSISTANT

COSTING SURVEYORS

in their Planning and Costing Departments. Experience is required in the application of all types of incentive schemes allied to Contract Planning and Method Study. Excellent prospects for advancement with permanent pensionable position.

Please write in confidence, stating age, qualifications, salary required, to: **The Personnel Manager, Hyde Works, St. James's Lane, Muswell Hill, London, N.10.**

2 EXPERIENCED BUILDING SURVEYORS

required for progressive Builder and Contractor based in S.E. London for interesting and responsible work mainly in the London area. Capable of assisting in the management of large contracts from enquiry to final account. Own Staff notified.

Box 3153. The Builder.

ASSISTANT SURVEYORS

ASSISTANT ESTIMATING/SURVEYOR Required at our London Office to handle small and medium sized contracts. Must possess sound knowledge of quantity surveying. Salary £800-£900 according to experience.—Full details, to DOUGLAS GRANT & PARTNERS, Ltd., 62 Finsbury Pavement, E.C.2.

JUNIOR ASSISTANT SURVEYOR Required. Interesting work, some experience Builder's or Surveyor's office.—NORMAN GREEN, 12 Adeline-place, Bedford-square, W.C.1.

ASSISTANT SURVEYOR (age about 25) Required for all types of contracts in London and N.W. Kent areas. Applicants should be of H.N.C. standard. Permanent, progressive situation.—Apply giving full details of age, experience and salary required to GALBRAITH BROS., Ltd., Crayford Bridge, Crayford, Kent.

ASSISTANT BUILDING SURVEYOR

required by large established Speculative Building Contractors to work at their Head Office in Kingston-on-Thames area. There are excellent prospects, opportunities and superannuation scheme for an ambitious and conscientious man.
Write giving details of age, experience and salary required to **Box 3167 The Builder.**

H. FAIRWEATHER & CO., LTD.
have vacancies for

SENIOR SURVEYORS

and

ASSISTANT SURVEYORS

Age Group 22–35 years, good salary and conditions with Contributory Pension and Continuous Disability Schemes in operation. Interesting and varied work in an expanding Company.
Write in strict confidence, stating age, education, experience and salary required to: **The Personnel Manager, Hyde Works, St. James's Lane, Muswell Hill, London, N.10.**

ASSISTANT SURVEYORS

Age 20–25, required to measure Sub-Contractors interim valuations and final accounts.

Progressive, permanent positions. Non-contributory pension scheme.

Apply, stating age, experience and full details to:

McLAUGHLIN & HARVEY, LTD.,
24, HIGHBURY GROVE,
LONDON, N.5.

JUNIORS

WEST END Professional Quantity Surveyor's office have vacancies for TRAINEE QUANTITY SURVEYORS. Time allowed off for study. Four-year training period. Salary £208 1st year; £260 2nd year; £312 3rd year; £364 4th year.—Apply in own handwriting giving standard of scholastic training. Box 3031, "The Builder."

JUNIOR Required by Quantity Surveyors in Victoria area. Opportunity for young man to learn all aspects of the profession in small, busy office.—Apply in own handwriting to Box 3208, "The Builder."

WESTMINSTER Quantity Surveyors Require young man 16-18. Applicants must hold General School Certificate. Excellent opportunities for training. Five-day week.—Reply in own handwriting to Box 3210, "The Builder."

TAKERS OFF

CHELMSFORD Surveyors Require one SENIOR and one JUNIOR TAKER-OFF experienced in Builders' quantities. Excellent opportunities for progress. Holiday obligations honoured. Write giving details of experience and salary required.—Box 3123, "The Builder."

JUNIOR TAKER-OFF Required by West End Chartered Quantity Surveyor. Salary £800 to £900 p.a.—Reply in writing stating age and experience to Box 979, "The Builder."

TAKER-OFF Required by West End Chartered Quantity Surveyor. Salary £1,000 to £1,200 p.a.—Reply in writing stating age and experience to Box 984, "The Builder."

SENIOR TAKER-OFF Required by West End Chartered Quantity Surveyor. Salary £1,200 to £1,500 p.a.—Reply in writing stating age and experience to Box 961, "The Builder."

JUNIOR TAKER-OFF Required for work in South Coast offices of busy firm of Chartered Quantity Surveyors. Pension scheme, 5-day week. Excellent opportunities for varied experience.—Apply stating age and experience, Box 3145, "The Builder."

SENIOR AND JUNIOR TAKERS-OFF Required by London Chartered Quantity Surveyors.—Please reply stating age, experience and salary required to G. F. K. WHITE & HAYTON, F./F.R.I.C.S., 38-39 Parliament-street, S.W.1.

JOHN LAING AND SON LIMITED
require an

EXPERIENCED TAKER OFF

at their Head Office Age 25-50 with considerable experience of speedy preparation of Bills of Quantities. This position is progressive and pensionable. Five day week and canteen facilities. Apply in writing stating age, experience etc., to Personnel Manager (T.O.3.),

John Laing and Son Limited,
Mill Hill, London, N.W.7.

TAKERS-OFF Required by London Chartered Quantity Surveyors for permanent staff.—Write stating age, experience and salary required to Box 916, "The Builder."

TAKER-OFF of Intermediate to Final standard Required by Westminster Quantity Surveyors. Excellent prospects in London Office and opportunities for overseas tours.—Apply, stating age and experience, Box 923, "The Builder."

MANCHESTER Quantity Surveyors (London Firm) Require TAKER-OFF. Need not be qualified but must be thoroughly experienced. Five-day week. Paid overtime. Pension Scheme.—Box 924, "The Builder."

MANCHESTER. Quantity Surveyors (London Firm) Require Staff. Good salary, Overtime, Pension Scheme. Five-day week. (a) SENIOR TAKER-OFF. Must be experienced man. (b) SENIOR MEASURING SURVEYOR. For duties on Final Accounts. (c) SENIOR WORKER-UP. Must be experienced man. Willing to take responsibility.—Box 926, "The Builder."

JUNIOR TAKER-OFF Required by London Quantity Surveyors for permanent position. Commencing salary £1,000 per annum. Pension and Life Assurance Scheme.—Write, stating age and experience, Box 2960, "The Builder."

TAKERS-OFF, AUSTRALIA (Sydney and Melbourne). Experienced TAKERS-OFF Required for three-year contracts, £A1,900, £A2,000, £A2,100, plus considerable overtime at increased rate, bonus on completion of contract. Fares to Australia paid. Perfect working conditions in air-conditioned office. Extra holidays. Continuation contract may be obtained.—Box 3003, "The Builder."

SYDNEY, AUSTRALIA. A vacancy occurs for experienced TAKER-OFF. Commencing salary £A1,900, excluding overtime. Fare paid.—Box 3004, "The Builder."

TAKER-OFF Required. Sound knowledge of construction essential. Varied and interesting work.—Particulars and salary required to KENNETH G. BARBER, Chartered Quantity Surveyor, 16 Pampisford-road, Purley, Surrey.

EXPERIENCED TAKER-OFF for permanent position in busy and varied City practice. Commencing salary not less than £1,200 per annum plus overtime.—Box 3006, "The Builder."

TAKER-OFF Required by Reinforced Concrete Specialists. Five-day week and non-contributory Pension scheme.—Please reply giving particulars of experience and salary to Box 3009, "The Builder."

JUNIOR TAKER-OFF, about intermediate standard. Required. Varied practice, including site measurement.—COGAN & PARTNERS, 55 Pall Mall, S.W.1. WHI 3848.

ASSISTANT TAKER-OFF Required in South Bucks office of London Quantity Surveyors. Commencing salary £750.—Reply with details of previous experience to Box 3049, "The Builder."

CHARTERED QUANTITY SURVEYOR (London, W.1) Requires competent TAKERS-OFF. Highest salary for suitable applicants. Varied and interesting contracts.—Write, stating age, experience and salary required, to Box 2972, "The Builder."

JUNIOR TAKER-OFF for Brighton office of Chartered Quantity Surveyors. State experience and salary.—Box 2889, "The Builder."

CO-OPERATIVE WHOLESALE SOCIETY Ltd., Architect's Department, Manchester. TAKERS-OFF Required. Applicants should be competent at taking-off in all trades with the minimum of supervision. Membership of the R.I.C.S. an advantage but not essential. Five-day week. Pension scheme.—Applications stating age, experience, qualifications and salary required, to G. S. Hay, F.R.I.B.A., Chief Architect, CO-OPERATIVE WHOLESALE SOCIETY Ltd., 1 Balloon-street, Manchester 4.

TAKER-OFF

SIMON-CARVES LTD.
require a

TAKER-OFF

Applicants must have at least two years taking-off experience. Age range 25 to 35. This position is permanent and pensionable. Starting salary depending on experience and qualifications, will be in the range of £850 to £1,000 p.a. Good working conditions. Five day week. Three weeks' annual holiday.

Send brief relevant details to Staff & Training Division, **SIMON-CARVES LTD., Cheadle Heath, Stockport, Cheshire, quoting ref. WF.10**

TAKER-OFF Required by Westminster Chartered Quantity Surveyors. Intermediate to Final Standard, near Victoria. L.V. Five-day week.—Write, stating age, experience and salary required, Box 2947, "The Builder."

SENIOR TAKER-OFF Required by London Quantity Surveyors. Permanent position. Pension and Life Assurance Scheme. Salary £1,700 per annum.—Write, stating age and experience, Box 2959, "The Builder."

REQUIRED, TEMPORARY ASSISTANTS in Taking-off and Working-up. Reply giving full particulars stating age, salary, experience and qualifications.—Box 3071, "The Builder."

JUNIOR TAKER-OFF Required by Central London C.Q.S. L.Vs., 5-day week, salary £750-£1,000.—Box 3078, "The Builder."

JUNIOR TAKERS-OFF Required for London Quantity Surveyor's Office.—Reply, with full particulars, and stating salary required, to Box 3110, "The Builder."

TAKER - OFF / MEASURING SURVEYOR (A.R.I.C.S.) Required by London Quantity Surveyors. Pension and Life Assurance Scheme. State age and experience. Salary £1,500 per annum. Car provided.—Box 2961, "The Builder."

TAKER-OFF Required by London Chartered Quantity Surveyors.—Write, with particulars of experience, etc., to Box 3103, "The Builder."

TAKERS-OFF, Senior and Junior, Required by London Chartered Quantity Surveyor.—Write, stating experience, age, salary, to Box 3104, "The Builder."

TAKER-OFF, Intermediate to Final Standard, Required by firm of Quantity Surveyors in Westminster. Varied practice, five-day week. Paid overtime.—Apply, stating age, experience and salary required, Box 904, "The Builder."

TAKERS-OFF Required in planning department of rapidly expanding contractor's branch office in S.W. London. Applicants should be of at least Intermediate standard and preferably with experience of both professional and contractors' offices. Five-day week, pension scheme. Write, giving brief details of experience and age and salary required.—Box 2896, "The Builder."

EXPERIENCED TAKER-OFF Required by Westminster Quantity Surveyors for responsible post. Excellent prospects. Lunch vouchers. Five-day week.—Write stating age, experience and salary required to Box 991, "The Builder."

TAKER-OFF Required by Chartered Quantity Surveyors in Reading area.—Apply Box 2858, "The Builder."

EXPERIENCED TAKER-OFF Required in London Chartered Quantity Surveyors' office. First-class working conditions with Pension and Life Assurance scheme.—Apply stating age, qualifications, experience and salary required, to Box 2850, "The Builder."

TAKER-OFF, age 26/40, Required for Central London Chartered Surveyor's office. Excellent prospects, 5-day week. Salary up to £1,500, according to ability and experience.—Box 2902, "The Builder."

EXPERIENCED TAKER-OFF Required by Welwyn Garden City Quantity Surveyors.—Write stating age, details of experience, salary required, to Box 3152, "The Builder."

TAKERS-OFF, Junior and Senior, Required by City Chartered Quantity Surveyors. Five-day week, pension scheme.—State age, experience and salary required to Box 3171, "The Builder."

AUSTRALIA, Sydney. Senior TAKER-OFF Required. Commencing salary £A2,000 p.a. plus overtime. One-, 2- or 3-year contract. Travelling expenses paid.—Box 3181, "The Builder."

TAKER-OFF/MEASURING SURVEYOR (preferably qualified) Required for long-term appointment in branch Site Office in Berkshire by London Chartered Quantity Surveyors. House available. Subsistence allowance. Superannuation scheme. Five-day week.—Write full particulars to Box 3173, "The Builder."

TAKER-OFF (recent A.R.I.C.S. or this year's finalist) Required by Chartered Quantity Surveyors near Victoria Station. Permanent appointment to work on large and interesting projects. Pension scheme. Luncheon vouchers.—Write full particulars to Box 3174, "The Builder."

HIGHLY experienced TAKERS-OFF Required in Chartered Quantity Surveyors' office on work on substantial, varied and interesting projects. A high professional standard is maintained in the office and only applicants with considerable experience should apply. West Central area. Three weeks' annual holiday and luncheon vouchers. Pension scheme is in operation in the office.—Apply stating age, qualifications, experience and salary required, to Box 907, "The Builder."

DEARLE & HENDERSON Require keen, qualified TAKERS-OFF for their London, Maidstone and Hove offices. Pension scheme and 5-day week. High salary offered to right applicants.—Reply 75 Victoria-street, S.W.1, or 'phone ABBey 2841.

JUNIOR TAKER-OFF Required by firm of Chartered Quantity Surveyors in London (A.R.I.C.S. preferred). Salary £750-£950. Pension scheme. Luncheon Vouchers.—Please write stating age, experience and salary required to Box 3235, "The Builder."

LONDON firm of Chartered Quantity Surveyors Require experienced TAKERS-OFF for long-term contracts in South Wales.—Please apply stating age, experience and salary required to Box 3236, "The Builder."

JUNIOR TAKER-OFF and a MEASURING SURVEYOR Required by Chartered Quantity Surveyors.—Apply stating age, experience and salary required to SARJEANT, STIMPSON & PTNRS., 78 Park-lane, Croydon, Surrey.

TAKING-OFF ASSISTANTS (Intermediate standard) Required by Westminster firm of Quantity Surveyors (close Victoria Station). Salary £700-£800 per annum according to experience. Five-day week, overtime extra.—Full details of experience, age, etc., to Box 3209, "The Builder."

TAKING-OFF ASSISTANTS (Final and Intermediate standard) Required for Quantity Surveyors' Sussex office at Brighton. Five-day week, overtime extra. Permanent position.—Reply stating experience, age and salary required to Box 3212, "The Builder."

EXPERIENCED TAKER-OFF Required for permanent position in London professional office. Taking-off and Final Accounts. Basic salary up to £1,500 per annum for capable assistant.—Box 3204, "The Builder."

SENIOR AND JUNIOR TAKERS-OFF Required by Bedford-square Chartered Quantity Surveyors. Good opportunities for increasing experience and for advancement. Holiday arrangements honoured.—Reply, stating age, salary anticipated, scholastic and professional experience, Box 3247, "The Builder."

WORKERS UP

WORKERS-UP Required by Holborn firm of Chartered Quantity Surveyors. Should have had about three years' experience in the profession. Salary will be in accordance with ability, with additional rate for overtime.—Reply, stating age, summary of experience, and salary requested, to Box 2837, "The Builder."

WORKER-UP Required by London Chartered Quantity Surveyors.—Please reply stating age, experience, and salary required to G. F. K. WHITE & HAYTON, F./F.R.I.C.S., 38-39 Parliament-street, S.W.1.

WORKER-UP Required by firm of Quantity Surveyors, Westminster. Five-day week and Luncheon Vouchers. Good prospects and opportunities for the right man.—Apply stating age and experience to Box 980, "The Builder."

SENIOR WORKER-UP for London Quantity Surveyors.—Write stating age, details of experience and salary required, to Box 953, "The Builder."

WORKERS-UP Required by London Chartered Quantity Surveyors for permanent staff.—Write stating age, experience and salary required to Box 905, "The Builder."

WORKER-UP Required by London Chartered Quantity Surveyors. High remuneration for good worker.—Please reply, in confidence, to Box 986, "The Builder."

EXPERIENCED WORKER-UP Required by firm of Chartered Quantity Surveyors in West End, London.—Reply stating experience, age, salary required to Box 931, "The Builder."

WORKER-UP Required by Westminster Chartered Quantity Surveyors' office near Victoria; good opportunities. L.V.—Write, in own handwriting, stating age, experience and salary required, Box 2948, "The Builder."

WORKER-UP for permanent staff in Holborn area by Chartered Quantity Surveyors. Good prospects of site measuring. Holiday arrangements honoured.—Apply Box 901, "The Builder."

WORKER-UP Required by professional firm of Quantity Surveyors, Victoria area. Progressive position. Five-day week. Luncheon Vouchers.—Brief details to Box 2977, "The Builder."

SENIOR WORKER-UP Required by City Quantity Surveyors. Permanent position. Commencing salary £750/£900 p.a. according to experience.—Write with full details to Box 3007, "The Builder."

WORKER-UP Required immediately.—Applications in writing stating experience, age and salary required, to JOHN McBAIN AND PARTNERS, Quantity Surveyors, 49/50 Maybury-road, Woking.

WORKERS-UP Required. Senior and Junior.—Apply, in writing, to STANLEY GRIFFITH & PARTNERS, Greycoat Chambers, 9 Greycoat-street, Westminster, S.W.1.

WORKER-UP with not less than three years' experience Required for established South Bucks branch office of London Quantity Surveyors.—Reply with details to Box 3048, "The Builder."

SENIOR WORKER-UP Required by Chartered Surveyors, Westminster.—State experience, age and salary required, Box 3042, "The Builder."

WORKER-UP/JUNIOR TAKER-OFF Required by Building Contractors in Kilburn, N.W.6 in their Quantity Surveying Department. After a short period he will be engaged on preparing quantities from drawings solely, but must have had good grounding in working-up and able to work without supervision. Pension Scheme in operation.—Write, giving details of experience, and salary required, to Box 3084, "The Builder."

SENIOR and JUNIOR WORKER-UP ASSISTANTS Required for permanent and temporary employment in London Quantity Surveyor's Office.—Reply, stating age, experience, salary required, and when available, to Box 3111, "The Builder."

WORKER-UP Required by Holborn Chartered Quantity Surveyor.—Send details of experience, age and salary required, to Box 3105, "The Builder."

WORKERS-UP Required by City Chartered Quantity Surveyors. Pension scheme, overtime, five-day week.—State age, experience and salary required to Box 3170, "The Builder."

WORKER-UP with at least 4 years' experience in a professional office Required by expanding practice. Team spirit essential.—Write stating age, experience and present salary to RAYMOND J. PLAYLE, 95 Eltham-road, S.E.12.

EXPERIENCED WORKERS-UP and intelligent JUNIORS wishing to train for and qualify as Chartered Quantity Surveyors Required in Bloomsbury Chartered Quantity Surveyors' office. First-class working conditions, including luncheon vouchers and opportunities for progressive training offered to suitable applicants.—Apply stating age, experience, if any, and salary required, to Box 937, "The Builder."

WORKER-UP for long-term contract at Newport, Mon., Required by firm of Chartered Quantity Surveyors. Rented accommodation available.—Please write stating age, experience and salary required, to Box 3237, "The Builder."

WORKER-UP for permanent position in London office of Chartered Quantity Surveyors. Pension scheme and L.Vs.—Please write stating age, experience and salary required to Box 3238, "The Builder."

WORKER-UP Required with at least four years' permanent working-up experience, by Chartered Quantity Surveyors.—Reply stating age, experience and salary required, to SARJEANT, STIMPSON & PTNRS., 78 Park-lane, Croydon, Surrey.

EXPERIENCED WORKER-UP Required for permanent position in London professional office. Basic salary up to £1,000 per annum.—Box 3203, "The Builder."

WORKER-UP, with at least two years' experience, Required. Salary up to £500 according to qualifications and experience.—Usual details to CARPENTER & BULL, A./A.R.I.C.S., 38 South-street, Chichester, Sussex.

REQUIRED by Chartered Quantity Surveyors in West London district competent WORKER-UP. Good prospects for right man. Five-day week, hours 9.0 to 5.30, Luncheon Vouchers, fortnight's holiday. Permanent job, salary £54 per month. Time-and-a-quarter overtime paid. This is an excellent opportunity for a young, keen surveyor to gain experience.—Reply Box 3228, "The Builder."

WORKER-UP Required by professional firm of Quantity Surveyors in Leicester. Progressive training with opportunities for site measuring. Five-day week.—Box 3205, "The Builder."

OPPORTUNITY EXISTS in W.1 office of Chartered Quantity Surveyors for ASSISTANT who is a competent Worker-up and who wishes to graduate to taking-off at early stage.—Box 3242, "The Builder."

WORKER-UP with early opportunity to progress to TAKER-OFF wanted in expanding Quantity Surveyors' Office in Gray's Inn. Write stating age, experience and salary required.—Box 3245, "The Builder."

JUNIOR WORKERS-UP and experienced WORKERS-UP wanted in expanding Quantity Surveyors' office in Gray's Inn. Write stating age, experience and salary required.—Box 3246, "The Builder."

WORKER-UP Required by London Chartered Q.S. Holiday this year, additional week for pre-examination study.—Please give age, experience and salary to Box 3244, "The Builder."

ENGINEERS

SENIOR and JUNIOR SITE ENGINEERS and QUANTITY SURVEYORS are Required for Civil Engineering and Building Contracts in England and Wales. These are permanent appointments with good prospects. Bonus and Superannuation schemes in operation.—Applications, which will be dealt with in strict confidence, must give details of age, experience, qualifications and salary required and should be addressed to Personnel Officer, TARMAC CIVIL ENGINEERING, Ltd., Ettingshall, Wolverhampton.

CIVIL ENGINEERS Required by national firm of contractors for site construction work and reinforced concrete design work in South Wales, the north of England and Scotland. Age approximately 21 to 30. Wide training experience available with opportunities for promotion. H.N.C. or degree essential. Permanent posts with generous salaries and bonus scheme.—Apply in confidence giving general qualifications and experience to Box 3041, "The Builder."

WIMPEY

Vacancies exist in the Q.S. Section for

WORKERS-UP

Work includes multi-storied development, industrial schemes, housing, civil engineering work etc.

These posts offer scope for advancement and are of particular interest to Workers-up with 3 or 4 years' experience who intend to make their careers in this sphere. Good salaries, excellent working conditions, staff restaurant and Pension Fund (after probationary period).

INTERVIEWS 8.45 a.m. to 5.15 p.m. (or out of office hours).

Write or ring for appointment.

GEORGE WIMPEY & CO. LIMITED,
G. S. Vickery,
27, Hammersmith Grove, London, W.6.
RIVerside 2000, Ext.432

SITE ENGINEERS

between 20 and 30 years of age are required for contracts in the Midlands. Permanent, progressive appointments with Superannuation, Subsistence and Bonus for applicants with at least three years' site experience or graduate status. Please write in strict confidence to—

Area Planning Engineer,

SIR ALFRED McALPINE & SON Ltd.
49 Waterloo Road,
Wolverhampton.

ARTHUR SCULL & SON Ltd. Require SANITARY ENGINEER for their expanding Southampton office. Knowledge of plumbing design, contract control and materials ordering is necessary, together with commercial aptitude. Superannuation and profit-sharing schemes.—Apply in writing to: The London Manager, ARTHUR SCULL & SON, Ltd., Kingsway House, Kingsway, London, W.C.2.

TECHNICAL ASSISTANTS Required immediately for established South Coast firm, for preparing working drawings for large housing layouts. General experience of roads, drains and water supply essential. Knowledge of traverse, surveys and setting out desirable.—Apply in writing stating age, experience and salary required, to MESSRS. THOMAS, JOLLY, GRANT & KELSEY, 26 Kent-road, Southsea, Hants.

SITE ENGINEERS Required for reinforced concrete structures in the Midlands. Permanent and progressive position. Superannuation and bonus.—Apply giving full particulars to WATES Ltd., Exchange Buildings, New-street, Birmingham 2.

ESTIMATORS

ASSISTANT ESTIMATOR (age about 25) Required for all types of contracts. Applicants should be of H.N.C. standard.—Apply giving full details of age, experience and salary required, to GALBRAITH BROS. Ltd., Crayford Bridge, Crayford, Kent.

ASSISTANT ESTIMATOR Required by old-established firm of Quantity Surveyors (close Victoria Station). Five-day week, overtime extra.—Reply in own handwriting stating experience, age and salary required to Box 3211, "The Builder."

YOUNG man 20-25 Required as ASSISTANT TO JOINERY ESTIMATOR. Must have fair knowledge of office routine and be prepared to learn all aspects of joinery trade.—R. J. LAKIN & CO. (JOINERY) Ltd., 112 Besley-street, S.W.16. STR 7117.

ESTIMATOR/SUPERVISOR, for wood finishing specialists to Building Trade, to assist Managing Director. Good prospects for right man.—Write stating age, salary and experience to The Secretary, ROBERTS & STACEY Ltd., 190 Vauxhall Bridge-road, S.W.1.

ESTIMATORS AND ASSISTANT ESTIMATORS Required for medium-sized Builders in East London, competent to deal with all types of work between £2,000-£50,000. Good opportunity for advancement. Bonus and Pension Schemes in operation.—Write stating age, experience and salary required, to Box 3135, "The Builder."

ESTIMATOR/SURVEYOR Required by West London Building Contractors, must be fully experienced in estimating for varied contracts up to £150,000.—Write giving full particulars of age, experience and salary required to Box 3127, "The Builder."

ESTIMATOR/SUPERVISOR Required for rapidly expanding Small Contracts and Jobbing Department by old-established Contractors in South London. Permanent position for right man.—Apply stating age, experience and salary required to Box 3129, "The Builder."

ESTIMATOR Required, Beckenham. Must be thoroughly sound man for general building work. Box 925, "The Builder."

TAYLOR WOODROW CONSTRUCTION LIMITED

require

experienced building and civil engineering

ESTIMATORS

Applicants must be experienced in large scale works. Pension Scheme. Excellent opportunities.

Write, giving brief details of experience and present employment, which will be treated in strict confidence, to:

Personnel Manager,
345 Ruislip Road, Southall, Middlesex

ESTIMATOR/ SUPERVISOR

required for Small Works Department of West End Builders specialising in good class alterations and decorations. Contracts up to £15,000.

Write, stating age, experience and salary to

Box 2490, "The Builder"

ESTIMATOR

Required with experience in pricing good class alteration and decorating work in the London area.

Permanent position with expanding company.

Write giving age. Experience salary required to **Box 3172 The Builder.**

CHIEF ESTIMATOR

(Building)

A Chief Estimator is required to take sole charge of the London Office Estimating Department of a Nationally known Building Contractor. The position, which is naturally permanent and an extremely good one, carries with it an adequate bonus and pension scheme. Applications which will be treated in the strictest confidence will only be considered from those candidates who can prove their competence to estimate for works ranging from £250,000 to over £1,000,000 in value. If you consider that you may be the Estimator we are seeking please write to

Box No. 3156 "The Builder"

BERNARD SUNLEY & SONS LTD.
require

SENIOR ESTIMATOR

Knowledge and experience of detailed price build-up and cost analysis for large contracts essential. Applicants must have experience of tendering for multi-storey buildings using modern plant methods. Progressive post, pension scheme and good salary offered. **Write Chief Estimator, 25 Berkeley Square, W.1.**

SENIOR ESTIMATOR

Required by Building Contractors. Experienced in all types of construction, permanent and progressive position, good salary, pension scheme. Apply, in writing, giving details of age, experience and salary required, to: Managing Director, A. E. SYMES, Ltd., 236-252, High Street, Stratford, London, E.15.

SUPERVISOR/ESTIMATOR with sound knowledge of building trades but with emphasis on good-class decorating. Reputable west of London firm.—Box 3157, "The Builder."

ASSISTANT ESTIMATOR/SURVEYOR Required for Building Contractor's office in Reading, competent to deal with small and medium-sized contracts from enquiry to final account with minimum supervision. House available after satisfactory trial period.—Apply giving full particulars of age, experienc and salary expected to Box 3155, "The Builder."

ESTIMATORS SHOP FITTING Required, experience of first-class workmanship, excellent prospects for the right men.—Write or telephone, Managing Director's Secretary, E. POLLARD & CO., Ltd., 159 St. John's-street, E.C.1. Telephone: CLerkenwell 6701.

JOINERY ESTIMATOR for factory in N.W. London, non-contributory pension scheme, canteen facilities.—Details of past experience, present salary, age and copy references, to Box 2875, "The Builder."

BUILDING ESTIMATOR Required for large City Quantity Surveying firm. Age 30/35. Must be experienced in negotiation. Salary £1,200 per annum, plus overtime.—Box 2939, "The Builder."

ESTIMATOR/SURVEYOR Required, with good all-round experience and capable of working on own initiative. West London area.—Apply, with brief details, Box 2917, "The Builder."

BUILDING ESTIMATOR Required for interesting and varied tendering for contracts over a wide range of price. Knowledge of modern methods of construction essential. The position is permanent and carries a substantial salary and bonus. Entry into the Company's Superannuation Scheme will be arranged at the end of twelve months' service.—Applicants should write stating age, qualifications, experience to date, etc., to the Chief Estimator, THE MITCHELL CONSTRUCTION COMPANY Ltd., Wharf Works, Peterborough, where applications will be treated in the strictest confidence.

NEW OPPORTUNITIES. Keen, young TRADESMEN Required to train as Estimators, Draughtsmen, Setters-out and Production Assistants, in development of Architectural Aluminium.—Write giving full details of experience to Secretary, UNIVERSAL SHOPFITTING CO. (LONDON), Ltd., Kangley Bridge-road, S.E.26.

ASSISTANT ESTIMATOR/SURVEYOR

aged 25/30

required for General Works up to £30,000.

Write stating experience, salary required to

Box 3138, "The Builder"

ESTIMATOR experienced in pricing conversions, alteration and maintenance works Required for medium-sized Building Contractors. Permagency at high salary with excellent prospects consequent upon expansion.—Apply in writing stating age, experience and salary required.—A. BELL & SON (PADDINGTON) Ltd., and Associated Companies, 58 Kensal-road, W.10.

ESTIMATOR Required for B. and C.E. Contractors outer London, Essex area. Must be fully experienced to price all types of work up to £500,000. Pension scheme.—Apply, full details and salary required to Box 3028, "The Builder."

ASSISTANT ESTIMATOR/SURVEYOR Required for Middlesex office. Must have good training, be able to prepare interim accounts and measure sub-contractors. Good prospects for keen, energetic young man.—Apply Box 3067, "The Builder."

SHOPFITTING ESTIMATOR Required for vacancy in London office of provincial firm. Permanent position, pension scheme.—Write, giving full details of age, experience, etc., to Box 3075, "The Builder."

LABORATORY FURNITURE. SENIOR ESTIMATOR Required for leading manufacturer in London. Excellent opportunity for experienced estimator with good knowledge of the trade. Superannuation fund. Full details of qualifications and experience, in writing please, to Box 3219, "The Builder."

ESTIMATOR/SUPERVISOR for Builders established 60 years in Central London. Used to alterations, decoration and general building work up to about £10,000. Capable of preparing own specifications for smaller works. Salary £1,000 upwards to the right man.—Apply with full particulars to Box 3200, "The Builder."

ESTIMATOR/SURVEYOR urgently Required by South East London Contractors. Experienced in alterations, conversions and jobbing work. Holiday arrangements respected. Good prospects in an old-established company.—State age, experience and salary required to Box 3196, "The Builder."

PAINTING SUPERVISOR/ESTIMATOR

(Age 30/35)

For West End work. Practical man, able to work on own initiative.

Position offers good salary and annual bonus on results. Free Pension Scheme.

Box No. 2916, "The Builder"

ESTIMATOR/SURVEYOR

required by progressive firm N.E. London. Excellent prospects for suitable applicant. Apply in writing, stating age, experience and salary required to

Box No. 921 "The Builder"

MANAGERS

ANYONE UNDER 32 YEARS OF AGE who considers they have aptitude for management of any kind in specialist painting and plastering businesses should send details of position and salary required, to Kenneth Melling, Personal Assistant to the Chairman of the H.A.T. GROUP, 3/5 St. Pauls-road, Bristol 8, quoting Ref. A.P.P.

PAINTING Contractors in Exeter Require a DIRECTOR (age 27-32). Knowledge of Estimating, Measuring and Job Management essential. Commencing salary £1,250 p.a. plus a computed bonus of 7½ per cent. of profits, with transport provided. Successful applicants must reside in or near Exeter.—Write Box 3130, "The Builder." quoting Ref. D.E.

AREA MANAGER. Well-known London and National building Contractors wish to interview applicants for appointment as CONTRACTS MANAGER with Executive control of their area office respectively in the Home Counties, South and North Midlands. Age 36-48. Previous experience as Contracts Manager or senior executive in the Building/Civil Engineering industry essential. Chartered Civil Engineer, Builder or Surveyor with management capacity, able negotiator at highest level is offered an assured future with progressive salary, Superannuation and Life Assurance benefits and other attractive conditions. Full particulars stating age, training, qualifications, experience, present appointment and salary level, which will be treated in strict confidence.—Box 3132, "The Builder."

PRE-CAST CONCRETE MANUFACTURERS. Expanding group of companies in South West Middlesex invite application from first-class man to assist in factory administration, progressing and quality control. The successful applicant—who must have had similar experience—will be expected to assume full responsibility for output from subsidiary works within a short period of his engagement with a view to ultimate responsibility to Director for combined output.—Please write in confidence, giving age and brief details of experience, to Box 2983, "The Builder."

CONTRACTS MANAGER

required for well-established and expanding firm of London Contractors. Must be experienced in the control of a group of contracts ranging in value from about £10,000 to £200,000. Experience as builders surveyor essential. It is intended that this important position will be progressive, permanent and pensionable. An experienced assistant contracts manager might be considered with a view to promotion after proving period. Only candidates of first class ability and good bearing should apply. Existing holiday commitments would be accepted. Apply in writing stating age and experience to

Courtney & Fairbairn Ltd.,
377, Albany Road,
Camberwell, S.E.5

Experienced WORKS MANAGER

required by well-known London contractors in their small but highly mechanised Joinery Works. Only those applicants who have had the fullest experience in estimating for all types of joinery handled in the industry, and who are thoroughly conversant with modern methods of management, progressing, incentive schemes, etc., should apply, in strict confidence, to the Managing Director,

Box No. 2787, "The Builder".

CONTRACTS MANAGER

required by expanding subsidiary of a public company engaged in Building and Civil Engineering in the South West region.

We are looking for an ambitious man with a genuine interest in modern management techniques. Remuneration is high, commensurate with the responsibilities attached to the position.

Profit sharing scheme, superannuation and car provided. Assistance will be given with accommodation, if required.

For further details, apply, in strict confidence, to—

R. Gee, F.I.O.B., Director,

John Knox (Bristol) Limited, Winterstoke Road, Bristol 3

APPLICATIONS are invited for the position of CONTRACTS MANAGER. Applicants must have sound knowledge of modern building methods and plant, had previous experience in such a capacity, and be capable of thoroughly organising and controlling several contracts concurrently.—Write in confidence giving full details of experience, contracts undertaken, age and salary expected to BRAZIER & SON Ltd., 303/305 Portswood-road, Southampton.

EXPERIENCED AND TRAINEE OFFICE MANAGERS Required for Building and Civil Engineering Contracts. Must be willing to travel. Excellent prospects for men with initiative and drive. Pension scheme.—Full details of experience, age and salary required to Box 3013, "The Builder."

JOINERY MANAGER, experienced in purpose-made hardwood joinery; must be good estimator. Small but expanding works. — Apply, GEORGE COULTER, Ltd., Masons Hill, Bromley, Kent. RAV 8877.

WORKS MANAGER Required by City Builders to take control of small Joinery Works and able to estimate for all types of building work. Good prospects.—Write stating age, experience and salary required, Box 3193, "The Builder."

MANAGER Required by small London Building Contractors. He must be capable of inspiring confidence in customers and securing new business. He must also be able to organise and supervise work in progress on a number of small contracts the maximum value of any one contract being £50,000. He must be capable of inspiring loyalty in office and on site. Applicants should preferably be between 30 and 45 and have had practical knowledge and sound qualifications in building construction, quantities and estimating. The salary and bonus will be a good one for a small firm and the prospects for the right man could not be better.—Write Box 3164, "The Builder."

OFFICE MANAGER Required by Bedfordshire builders. Good knowledge of estimating, pricing, builders' accounts, etc. Able to type.—State salary required to Box 3184, "The Builder."

LABORATORY FURNITURE. MANAGER Required for estimating and drawing office of laboratory furniture manufacturer in London. Must have good experience of estimating in this trade or in high-class shop-fitting. Preferred age, 35-45. Salary commensurate with responsibilities of post. Superannuation fund.—Write in confidence in first instance to Box 3218, "The Builder."

MULTIPLE COMPANY, 250 properties, Requires man with good knowledge of building, surveying, shopfitting, property maintenance, etc. Professional qualifications not essential. To be responsible for maintenance of buildings, supervision of shopfitting, etc. Maximum age 45. Residing in or close to West London area.—Apply stating age, experience and salary required, to EASTMANS DYERS AND CLEANERS Ltd., 231 The Vale, Acton, W.3.

A NEW BUILDING AND CIVIL ENGINEERING COMPANY IN SOUTH WEST WALES

requires the following Key Personnel with personality, initiative and a keen interest in the Industry.

A. **GENERAL AND CONTRACTS MANAGER** to develop and expand this new Company, obtain Contracts, and generally supervise the efficient working of the Contracts. The Candidate should be fully experienced in all departments of the Building and Civil Engineering Industry.

B. **QUANTITY SURVEYOR.** Fully qualified, A.R.I.C.S., or A.I.Q.S. to control the Estimating, Site Measurement and Final Accounts.

C. **TAKER-OFF AND ESTIMATOR.** To assist the Quantity Surveyor, take off, estimate and control Sub-contractors and suppliers enquiries.

D. **CHIEF CLERK.** To institute and maintain an efficient General Office, experience with Indemnity Bonds, etc., Insurances essential.

Good Salary Scales offered for these important Posts. A Non-Contributory Pension Scheme is in operation. Ample scope and opportunity for resourceful men with integrity and enterprise.

Applications stating Age, Qualifications, Experience and Interests, together with details of present appointment to:—

OFFICE MANAGER,
DAVIES AGRICULTURAL SERVICES, LTD.,
Burton Chambers, King Street, Carmarthen

TROLLOPE & COLLS LIMITED

require the services of

EXPERIENCED BUILDING MANAGERS

for large building contracts principally in London area. Apply stating age, experience and salary required to:—

The Assistant Secretary,
TROLLOPE & COLLS LTD.,
1, Noble Street,
Gresham Street, London, E.C.2.

SITE BUILDING MANAGER

required by developers for hotel conversions and similar work—must be experienced, young and active. This is a wonderful opportunity for an ambitious man with a new building development company.
Telephone for appointment:
BAYswater 8923

GABLE CONSTRUCTION CO. LTD.

require immediately
for work in Surrey

CONTRACTS MANAGER
GENERAL FOREMAN
SITE ENGINEER

Permanent positions. Pension schemes available. Apply with full details of training, experience, etc., to:—

54 Garratt Lane, S.W.18,
or telephone VANdyke 6171/2/3.

W. & C. FRENCH Ltd. Require SITE BUILDING MANAGER for large L.C.C. Housing Contract, Houghton Regis, near Dunstable, Bedfordshire, to work under supervision of Agent.—Apply in writing, stating age, experience and salary required, to Personnel Manager, 50 Epping New-road, Buckhurst Hill, Essex, quoting reference number 465.

CONTRACTS MANAGER Required by expanding firm of Flooring Contractors in Liverpool area. Must be fully experienced particularly in Terrazzo-Mosaic and Wall and Floor Tiling, and be able to accept full responsibility for Contracts department. Salary commensurate with ability, but not less than £950 per annum.—Write Box 3026, "The Builder."

INTERIOR DECORATORS (West End) Require a young man aged about 25 years for measuring and to assist manager. Must be experienced in the trade and able to drive.—Box 3001, "The Builder."

REQUIRED by Roofing Contractors for busy contracts department, MALE ASSISTANT aged 23-35 years. Must be quick at figures and good organiser. Opportunity to take charge when proficient. Salary according to age and ability.—Write Box 3012, "The Builder."

CONTRACTS MANAGER Required by expanding medium-sized Building Contractors in Middlesex. Must be experienced, able to organise, and have the capacity to inject drive and enthusiasm into contracts under his control. This is a permanent and progressive appointment and there are really excellent opportunities for the right type of man. —Write giving brief details of experience, age, and present emoluments, Box 3038, "The Builder."

WOODWORKING PRODUCTION MANAGER

An excellent opportunity for a first class man aged between 40–50 years to manage the production of woodworking over the three categories (a) Constructional shop-fronts and interiors, (b) Contract furniture and (c) Point of sale display units. This position, which commands a high salary, is offered only to a fully experienced man who would prove masterly at co-ordinating the production of all items under one roof. Brief details in the first instance in writing to:—

The Managing Director,
City Industrial Limited,
Farringdon Station Chambers, E.C.1.
Factory at Finsbury Park, N.4.

ASSISTANT MANAGER

required for West Middlesex Branch of London Contractors. Specialising in alterations and decorations. Must be able to estimate and supervise contracts and work on own initiative.

Car driver preferred. Write stating age, experience and salary required to

Box No. 2944

OFFICE MANAGERS
WAGES CLERKS
TIMEKEEPERS

Vacancies exist on the permanent Contract Staff of an old-established B. & C.E. Contractor in the Midlands for men experienced in handling these operations on large building projects. The positions are permanent and will carry a good salary with allowances and there is a pension scheme. Applications should state age, past experience, etc., to

Box 3044, "The Builder"

CLERKS OF WORKS

CLERK OF WORKS Required for Laboratory projects near Manchester. Duration approximately one year. Previous experience of Laboratory work essential. Salary by arrangement. Interviews London or Manchester.—Box 3159, "The Builder."

CLERK OF WORKS Required immediately for alteration and redecoration contract in Westminster. Contract period approximately six months. Details of experience and salary required to Box 3207, "The Builder."

CLERK OF WORKS

required for the reconstruction of an important retail shop building in the Stratford, E.15 area for the London Co-operative Society, Ltd. Duration of contract about two years. Only men experienced in substantial sized contracts, including foundation and structural work should apply. Please state age, experience and salary required.

George Baines & Syborn, A.R.I.B.A.,
Chartered Architects,
121, Victoria Street, S.W.1.

A SUPERINTENDENT CLERK OF WORKS

is needed by

LITTLEWOODS MAIL ORDER STORES LTD.,
for their building development throughout the British Isles.

Applicants should be experienced in supervising the construction of large stores and commercial buildings, and be able to accept the responsibility of representing the Company on sites far from Headquarters.

Generous salaries and expenses will be paid. Good Staff Life Assurance and Pension Scheme is in operation, with a five day week.

Applications in writing to:

Employment Manager,
(Ref:SCW/44/B) Littlewoods Mail Order Stores Ltd.,
Spinney House,
Church St., Liverpool, X.

CLERK OF WORKS Required immediately by the Corporation of Wardens of St. Saviour, Southwark, to supervise the erection of two blocks of 2-storey Old People's Flats and separate Boiler House as the 1st Phase of contract just commencing in S.E. London. Cost approximately £61,000. Salary offered £1,100 p.a.—Apply to the Architects, ARTHUR W. COOKSEY & PARTNERS, 19 Garrick-street, London, W.C.2 (TEMple Bar 6106/7).

BUYERS

TECHNICAL ASSISTANT Required for Buying Department. Age up to 22.—BOVIS Ltd. 1 Stanhope-gate, W.1. Grosvenor 8830.

ASSISTANT BUYER Required by London Civil Engineering Contractors, age 23-30, knowledge of Quantities desirable.—Apply in writing giving age, experience and salary required to Chief Buyer, PETER LIND & CO., Ltd., Romney House, Tufton-street, S.W.1.

REPRESENTATIVES

REPRESENTATIVE

required for the

LONDON AREA

by a well established Company to promote sales of specialist industrial FLOORING AGGREGATES AND WATERPROOFING ADDITIVES through architects and consulting engineers.

Excellent opportunity for an experienced salesman with knowledge of the building industry, who intends to earn not less than £1,500 per annum. Guaranteed minimum salary with very good commission. Car allowance, superannuation scheme.

Write in strict confidence, quoting reference 222 to:

The Personnel Officer,
The Cementation Company Limited,
20, Albert Embankment,
London, S.E.11.

SALESMAN Required with experience and contacts for handling concrete mixers, small dumpers, builders' hoists, water pumps, vibrating machinery. North of Thames within a 60-mile radius Central London. Salary £1,000 per annum plus car, expenses and pension scheme.—Write, Box No. A.852, c/o Walter Judd, Ltd., 47 Gresham-street, London, E.C.2.

£1,000 PER YEAR, selling Chemical Aids to the building trade. If you are a first-rate salesman, have a good connection within approximately 20 miles of your home and only carry one other main line, then write, giving details. Exclusive territory. Repeat orders. Monthly payment of commission and bonus. Old-established company.—Box 3163, "The Builder."

A SENIOR REPRESENTATIVE is Required for the West Midlands, Wessex and South Wales area by leading nationally known manufacturers of pre-fabricated timber building systems; sound knowledge of building construction is essential; architectural background with experience of prefabrication or timber structures would be a considerable asset. This is an opportunity for a capable sales executive able to initiate, maintain and successfully finalise technical and commercial negotiations at high level. —Send fullest details of qualifications and experience and career with age and salary levels in chronological order.—Box 3191, "The Builder."

EXPERIENCED REPRESENTATIVES,

Already calling on woodworking trades and large timber users, required in various areas to sell established line, with large and rapidly expanding potential, of heavy duty fastening equipment, including consumable fasteners. Exclusive territory and generous commission terms offered. State age, experience, territory covered to

Box 947, "The Builder".

BUILDERS ASSISTANTS

TECHNICAL ASSISTANT Required for London office of national Building Contractors. Must have some knowledge of builders' quantities and concrete structures.—Apply stating age, experience and salary required to Box 2985, "The Builder."

GENERAL ASSISTANT Required in office of small and progressive builders to assist generally and particularly with estimating. Contracts up to £20,000. Sound position for sound man, with good prospects. —LAUSTAN CONSTRUCTION CO., Ltd., 55 Wellesley-road, Chiswick, W.4.

AGENTS

AGENT Required for R.A.F. Maintenance Contract, Berkshire. Applicant should be C. & J., between 30-50 years age, strictly honest, car driver, possess initiative and drive. Salary not less than £900 p.a. Full details of experience and names of previous employers essential.—Box 3201, "The Builder."

AGENT/GENERAL FOREMAN Required by National Contractor for multi-storey blocks of flats, Glasgow. Permanent, pensionable employment available on successful conclusion of contract. —Write giving full particulars: Contracts Manager, A. A. STUART & SON, 10 Upper Grosvenor-street, London, W.1.

CUBITTS

AGENTS
AND
GENERAL FOREMEN

required. Experienced in medium and large constructional works, including multi-storey and reinforced concrete construction.

These vacancies offer immediate responsibility (with appropriate rewards) and good future prospects in a rapidly expanding section of the Company.

Applicants are invited to write giving age, full particulars of training, qualifications, experience, and salary expected.

All applications will be treated in the strictest confidence.

Personnel Manager (BJ5481)
HOLLAND & HANNEN AND CUBITTS (GREAT BRITAIN) LTD.
1, Queen Anne's Gate,
LONDON, S.W.1.

AGENTS

are required for senior appointments on large construction contracts in various parts of the country.

Applicants will be required to have a sound experience on a wide variety of contract work. L.I.O.B. or A.M.I.C.E. qualifications preferred. Age 30-40.

These appointments offer progressive and permanent employment with Superannuation Scheme.

Salary will be commensurate with experience and qualifications.

Apply in writing to:
P.M. (A.10.)
John Laing & Son Limited,
London, N.W.7.

QUALIFIED
SITE AGENTS
required

Salary £1,500 p.a. Organising ability and a knowledge and sympathy with planning, site cost control, works and method study absolutely necessary. Only first class men of proved ability who can supply the necessary references and have the technical qualifications for the post need apply. Applications in confidence to

Box 3136, "The Builder"

WIMPEY

The Company proposes to recruit
a limited number of

SENIOR BUILDING AGENTS

for contracts in
LANCASHIRE and SOUTH WALES

Applications are invited from men aged 35 to 45, who have varied experience of contract building and, in addition, have proven records of supervision of contracts.

These permanent appointments will carry good initial salaries and opportunities exist for promotion. A contributory Pension Scheme is in operation.

Applications to:—

Establishment Officer,
GEORGE WIMPEY & CO., LIMITED,
27, Hammersmith Grove, London, W.6.
Ref. 982.A.

SITE AGENTS
AND
GENERAL FOREMEN

Sir Lindsay Parkinson & Co. Ltd., invite applications for the above positions. Applicants who must be fully experienced in carrying out major building contracts of all types should forward all details to:

Building Director
Sir Lindsay Parkinson & Co. Ltd.,
6, Lambeth Road,
London, S.E.1.

BUILDING AGENT

Applications invited from experienced agents aged, 35-45 with sound experience in all aspects of building for a senior position as Agent on work in the Leeds Area.

Extensive practical experience of site supervision, the ability to control the main building trades and sub-contractors, a successful production record and a keen interest in the utilisation of advanced planning and production techniques and cost control procedures are essential.

This responsible position, based at our head office in York, is permanent, does not involve lodging away and offers good prospects substantial and progressive salary bonus and non-contributory pension scheme. A car is provided and assistance with housing.

Written applications which will be dealt with in strict confidence, should state age, outline of experience, approximate salary required and should be addressed to:

M. F. Shepherd, F.I.O.B.
Director,
F. SHEPHERD & SON LTD.,
Building & Civil Engineering Contractors,
Blue Bridge Lane, YORK.

SUPERVISING AGENT

SHETLAND ISLANDS

A man of outstanding ability in the building industry is required for the above vacancy. He must have a proven record of successful contract management and a comprehensive knowledge of modern building techniques. Very generous salary together with Pension and Life Insurance will be offered to the successful applicant. Applications in writing, which will be treated in confidence, should be addressed to

R. Pert & Sons Limited,
Lower Balmain Street, Montrose, Angus.

FOREMEN & SUPERVISORS

LONDON Roofing Company specialising in cold bituminous built-up roofing and sheeting work. Require SUPERVISOR. Able to measure and negotiate with clients. Applicants will have had 8-10 years' supervisory experience, preferably in this field. Clean driving licence. Salary approximately £800. Pension scheme after probationary period.—Details to Box 3117, "The Builder."

GENERAL FOREMAN Required by WATES Ltd., Birmingham, for multi-storey buildings in the Midlands. Permanent position. Superannuation and bonus.—Write stating age, experience and salary required to WATES Ltd., Exchange Buildings, New-street, Birmingham 2.

BUILDERS' WALKING FOREMAN/SUPERVISOR (C. and J. preferred) for expanding Small Works Department, to work under the direction of Contracts Manager. Only persons capable, and with previous experience, need apply, giving details of previous employment, age, trade and salary required, to HALSE & SONS, Ltd., Woolwich, S.E.18.

GENERAL FOREMAN Required for £400,000 housing contract in the Worcester area. Permanent position and a salary of £1,100 plus bonus paid to suitable applicant. Transport provided for business and private use.—Write, stating age and qualifications, to A. C. LLOYD (BUILDERS) Ltd., 1 Chapel-street, Leamington Spa.

FINISHING FOREMAN needed by McMANUS & CO., for private Estate Development work in Home Counties.—Write, or 'phone, Chief Surveyor, Mimms Hall-road, Potters Bar, Middlesex. Potters Bar 2315.

J. DOUGLASS MATHEWS & PARTNERS, Chartered Architects, Require experienced resident SITE SUPERVISORS on a permanent staff basis. Applicants must be prepared to go anywhere in the United Kingdom for resident appointments of one, two or three years. Salary £1,250-£1,750 according to job, experience and qualifications. Applicants to gives names of at least three architect or engineer references.—Reply to 3, Ebury-street, London, S.W.1.

GENERAL FOREMAN to supervise one or two small contracts (between £5,000 and £20,000). State age, experience and salary required.—C. NEAL & SON Ltd., West Horsley, Surrey.

SUPERVISOR wanted for West End firm of Decorators, good disciplinarian and first-class trade knowledge essential. Ability to estimate would be an asset.—Write Box 3000, "The Builder."

BUILDERS' SMALL WORKS AND JOBBING SUPERVISOR Required. Previous experience in similar capacity essential. Superannuation scheme in force.—Apply in writing to DEARSLEY & CARTER Ltd., 91/93 King-street, W.6, stating salary required and full particulars of past experience.

W. & C. FRENCH Ltd. urgently Require GENERAL FOREMEN capable of taking charge of large housing contract with phasing programme of 15 houses per week. Applicants who have not had experience of large type contracts should not apply.—Apply in writing, stating age, experience and salary required, to Personnel Manager, 50 Epping New-road, Buckhurst Hill, Essex, quoting reference number 324.

JOHN LAING AND SON LIMITED

invite applications from experienced General Foremen, Foremen Carpenters and Foremen Bricklayers under 35 years of age.

The appointments offer opportunities and training for increased responsibility in supervision and applicants should have suitable technical qualifications.

Full mobility required and interested persons should apply in writing stating age, experience and qualifications to

Personnel Manager (G.F.2.)
John Laing and Son Limited,
London, N.W.7.

APPLICATIONS

are invited from suitably qualified persons to supervise the erection of a 3 storey office block in Hendon, on completion of which the successful candidate will be required for similar duties in Birmingham.
Total period of service approximately 18 months. Salary not exceeding £1,000 p.a. according to experience. Applicants must give details of experience and past appointments together with qualifications and the names of two referees, which should be sent to

Sir Thomas Williamson, C.B.E., J.P.,
National Union of
General & Municipal Workers,
Thorne House, 4-8 Endsleigh Gardens,
W.C.1.

CONTRACT SUPERVISORS

Two Contract Supervisors required for busy N.W. London Building Contractors.

Essential Qualifications: Practical experience in site supervision of several contracts running concurrently (£10,000—£50,000 each). Ability to control own labour force and Sub-Contractors.

Applicants should have drive and initiative and capable of a profitable contribution towards an expanding Contractors organisation.

Car provided, superannuation after probationary period and existing holiday arrangements honoured.

Reply, giving full details of experience and salary required to:

Box 3197, "The Builder"

GENERAL FOREMAN
FOREMAN CARPENTERS
GANGERS AND OTHER LABOUR

Wilson Lovatt & Sons Ltd., are about to start the construction of the Bridges Section of the Bristol to Birmingham Motor Way and invite applications from men already experienced in this work. Please apply to

Site Agent,
Contractors' Office,
WILSON LOVATT & SONS LTD.,
Wychbold,
Droitwich,
Worcestershire

GENERAL FOREMAN

required for attractive contracts in the Sussex area.

Write stating previous experience, age, etc. to

Rice & Son Ltd.,
Stephenson Way, Crawley, Sussex.

BUILDER'S WORKING FOREMAN Required by progressive Company, Romford area. Experienced in taking charge of all trades—new work and alterations.—Write stating age, experience, salary required.—Box 2873, "The Builder."

EXPERIENCED GENERAL FOREMAN to supervise high-class finishing trades on London contract in South Kensington. Good salary and bonus.—Apply Box 2901, "The Builder."

GENERAL FOREMAN Required by medium-sized East London builders for work in the London area. Must have had first-class all round experience and knowledge of new and alteration work. The position is permanent to a man of ability and carries participation in Pension scheme.—When replying, state age, experience and salary required, to Box 2924, "The Builder."

WANTED: WORKING FOREMAN C. & J. for small Contracts. Able to handle labour, organise and take complete charge. Knowledge of all trades. Woking area, to commence work about June. Write stating age, previous experience and salary. Good pay and bonus to right man.—Box 3060, "The Builder."

BUILDER'S HOUSING SITE FOREMAN/AGENT. —Write, stating age, experience and salary required, CORY, Builder, East Wittering, near Chichester.

CONTRACT SUPERVISORS, AGENTS and **GENERAL FOREMEN** Required by leading Building Contractors for work in London and the Home Counties. Applications are invited from first-class men having experience of large contracts.—Apply giving full details of experience and the nature of the post applied for, to Box 2987, "The Builder."

REQUIRED immediately, top grade **GENERAL FOREMAN** for multi-storey block of flats S.E. coast. Must be capable of taking complete charge. Good prospects to right man.—Box 2840, "The Builder."

SUPERVISOR Required, able to estimate for small works, and to carry out conversions and maintenance work. Permanent job for capable, energetic man.—Apply, SLOGGETTS (CONTRACTORS), Ltd., 209 High-street, Hampton Hill, Middlesex. Teddington Lock 3303.

GENERAL FOREMAN Required for Building Contracts in Reading area and Didcot, Berks.—Write, giving full details, to TILBURY CONSTRUCTION CO., Ltd., Ruscombe Works, Twyford, Berks.

GENERAL FOREMAN Required. First-class man, capable of handling housing, industrial and commercial contracts, valued at £100,000 to £200,000. Fullest details of training, experience and salary requirements to A. E. SYMES, Ltd., Albert House, 236-252 High-street, Stratford, E.15.

WORKING FOREMAN Required, able to undertake general maintenance work including Carpentry, Plumbing, Painting, etc. Permanent post for right applicant. Fulham district.—Write stating age, particulars of past experience and salary required, Box 3179, "The Builder."

GENERAL FOREMAN wanted for Air Ministry contract, Harrow area.—Give details of experience, age, and salary required, to Box 3178, "The Builder."

GENERAL FOREMAN, used to alteration and conversion work. Required in General Works Department of KILLBY & GAYFORD Ltd., 87 Worship-street, London, E.C.2. Write or call with full details to Secretary.

PAINTER/FOREMAN SUPERVISOR Required by medium-size, old-established Building Contractors. Able to supervise, organise and control decorating department, attend clients, prepare simple estimates. Commencing salary £800 p.a. plus bonus. Permanent pensionable position. Walton-on-Thames area. House or assistance available.—Write for interview, Box 3221, "The Builder."

GENERAL FOREMAN Required for Development of Factory Estate 20 miles West of London. Permanent position for keen, energetic man residing in the area and with experience of progressing medium-size industrial contracts. Vacancies also for CARPENTER and BRICKLAYER TRADE FOREMEN.—Write stating experience, age and salary required, Box 3216, "The Builder."

WALKING FOREMAN to supervise small contracts for an old-established firm of Building Contractors. It is essential that the applicant shall have had previous experience of this type of work, and is capable of maintaining discipline and economical control of labour and appreciates the absolute necessity of pre-planning work.—Apply in strict confidence to the Managing Director, Box 3199, "The Builder."

CONTRACT SUPERVISOR Required. Sound experience in supervising Building and Civil Engineering developments. Preference given to applicants who have held a similar position.—Write stating age, experience and salary required to LAVENDER McMILLAN (CNTRS.), Ltd., 54 Cheam Common-road, Worcester Park, Surrey.

EXPERIENCED SHOPFITTING FOREMAN FIXER Required, with prospect of becoming supervisor. Permanent job with excellent prospects.—Write giving full details to GB(H) Ltd., 10 Bangor-road, Brentford.

SENIOR BUILDING GENERAL FOREMAN

Foremen who have reached the top of their grade and have spent recent years in charge of large building projects are required for the permanent Contract Staff of an old-established B. & C.E. Contractor, for working in the Midlands Area. Top salary will be offered with allowances and there is a pension and bonus scheme. Applications should state age, training, past experience, etc. to

Box 3043, "The Builder"

EXPERIENCED GENERAL FOREMEN

urgently required for large contracts in London.
SALARIES UP TO £1500 per annum.
Write stating qualifications to **Box 3168 The Builder.**

CARPENTERS & JOINERS

SENIOR JOINER/MACHINIST Required for workshop of medium size, old-established Building Contractors. A permanent position. Good salary. Walton-on-Thames area. Own employees advised. Assistance can be given with accommodation.—Write for interview, Box 3220, "The Builder."

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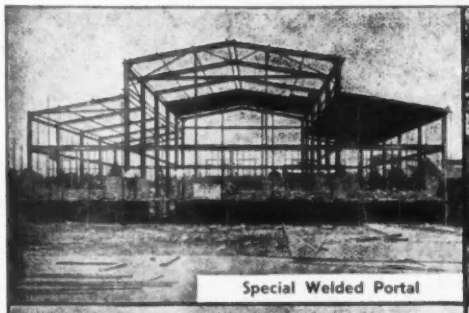
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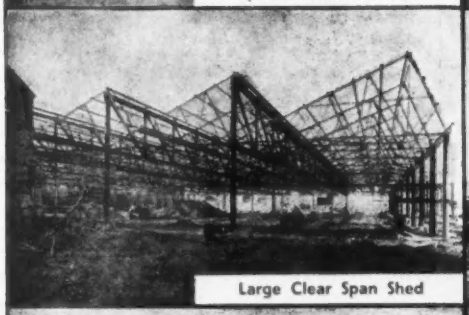
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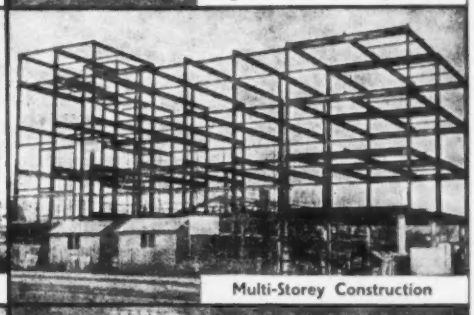
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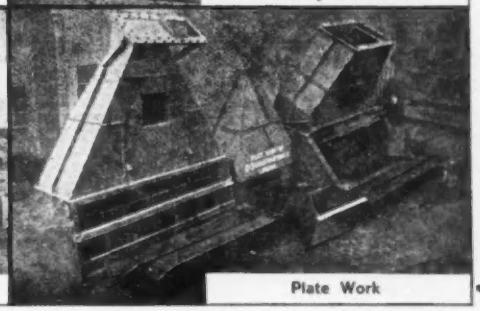
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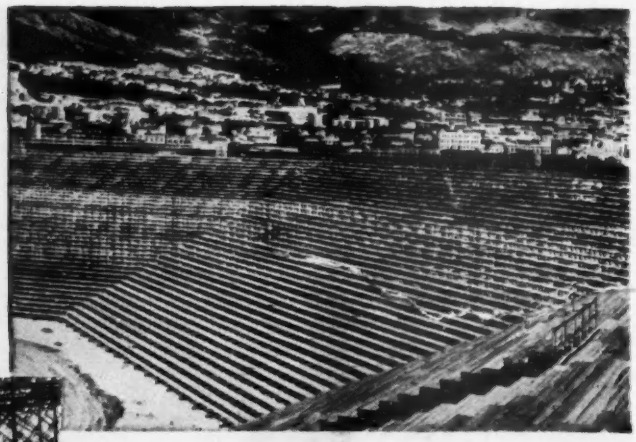

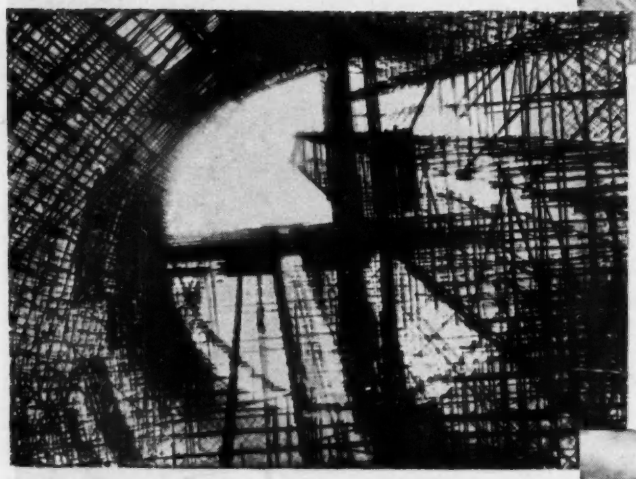

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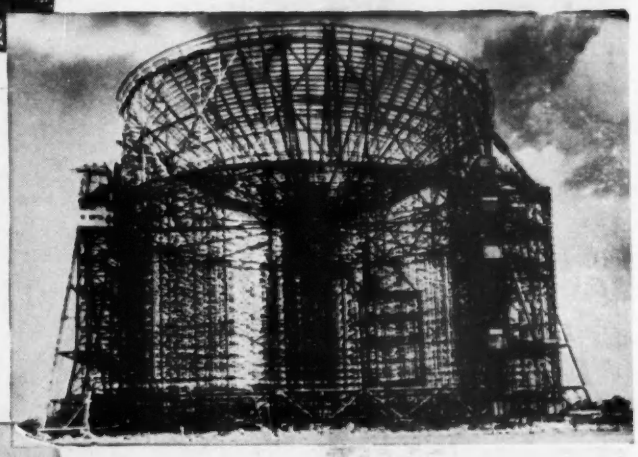

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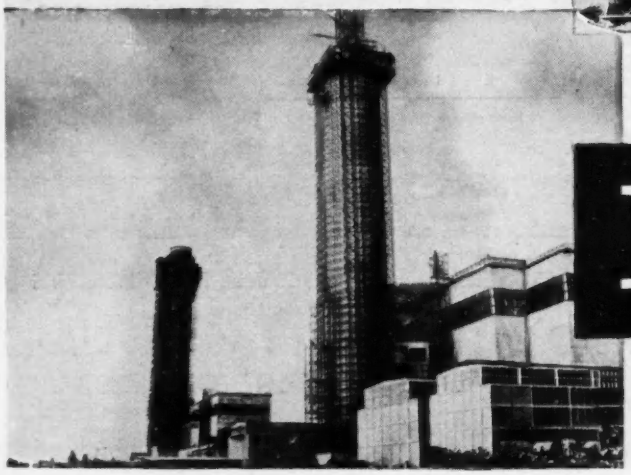

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